

### Programmable Bidirectional DC Power Supply ANEVH(F) Series



3U



4U

#### Product Introduction

The ANEVH(F) Series is a programmable DC power supply that integrates DC power and feedback load. It can function as a source, outputting power to the outside world, and as a sink, absorbing power and returning it cleanly to the grid, achieving standard bidirectional operation.

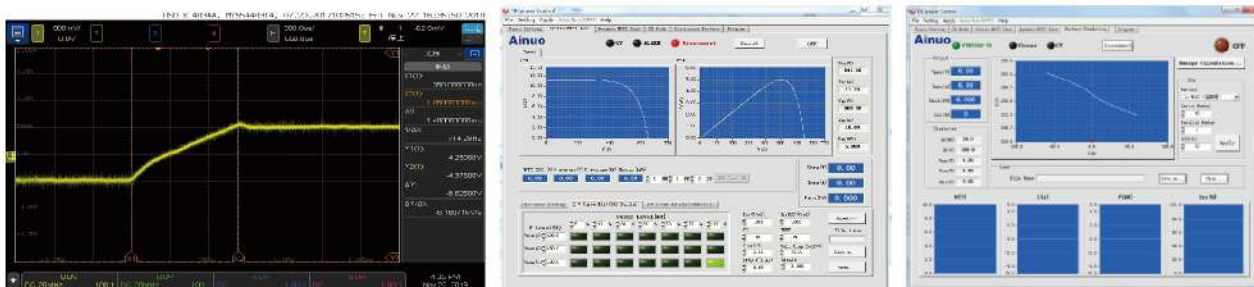
The ANEVH(F) Series of bidirectional programmable DC test power supplies include 7 voltage levels, covering a voltage range from 0V to 2250V, supporting the parallel operation of multiple units, and expandable up to 1MW in maximum power. The energy flows bidirectionally, with automatic seamless switching, high power density, fast dynamic response characteristics, built-in function generators and standard test curves, and the ability to generate multiple waveforms freely. It can be used in laboratories, automotive electronics, new energy battery-motor-electronic control, microgrids, high-power tests, and other testing scenarios.

#### Features

- Integrates source and load functions in a 3U standard chassis across the entire series.
- Integrates high-frequency PWM rectification and bidirectional DCDC technology, comprehensively eliminating the noise of conventional high-power bidirectional power supplies, rendering it a silent power supply.
- Higher power density, smaller size, and faster speed. Energy flows bidirectionally, with automatic seamless switching in both directions.
- Feedback efficiency up to 95%, with outstanding energy-saving and environmentally friendly advantages.
- Voltage range: covers 7 voltage levels from 0V to 2250V, the highest in the industry, with unique high-voltage series connection technology.
- Has a built-in function generator that supports arbitrary waveform generation.
- Has built-in DIN40839, ISO-16750-2, and ISO21848 standard automotive power grid voltage curves (optional).
- Has the electronic load function, with multiple load modes such as CV, CC, CP, CR, CV+CC, CV+CR, CC+CR, and CV+CC+CP+CR.
- Has the ability to simulate the output characteristics (Fill Factor) of various solar batteries.
- It can test maximum power point tracking (MPPT) capability and efficiency.
- It has the ability of accurate voltage and current measurement.
- Sequence output can be set to test the operating voltage range of photovoltaic inverters.
- It has comprehensive protection functions, including OTP, OVP, OCP, and OPP.
- It has the S-terminal compensation function.
- It has the solar battery I-V curve simulation function.
- It has a standard RS232/RS485/CAN/LAN/USB communication interface.
- It is equipped with the standard graphical upper computer operational software, and can be operated as a single unit.
- It has the battery simulation function, simulating the output characteristic curves of various batteries.
- It can simulate I-V curves under different temperature and illumination conditions.

## Application

- Microgrid and micro-inverter tests.
- Automotive motor, controller and power battery tests.
- Fuel battery test and fuel battery DCDC test.
- Uninterruptible power supply (UPS), on-board charger (OBC), charging station, and bidirectional DC-DC tests.
- Industrial tests such as electrolysis, electroplating, and welding.
- Communication power supply and LED product tests.
- Tests of automotive electronics, military electronics, and aviation electronics.
- High-power test and DC feedback load demand scenarios.



The switch time from maximum reverse current to maximum forward current is as low as 1.4ms.

## Ordering and function expansion

### 3U Model

- ANEVH100-170(F) 100V/170A/5kW
- ANEVH100-340(F) 100V/340A/10kW
- ANEVH100-510(F) 100V/510A/15kW
- ANEVH300-75(F) 300V/75A/5kW
- ANEVH300-150(F) 300V/150A/10kW
- ANEVH300-225(F) 300V/225A/15kW
- ANEVH300-225(F) 300V/225A/21kW
- ANEVH300-300(F) 300V/300A/30kW
- ANEVH500-40(F) 500V/40A/5kW
- ANEVH500-80(F) 500V/80A/10kW
- ANEVH500-120(F) 500V/120A/15kW
- ANEVH500-160(F) 500V/160A/21kW
- ANEVH500-240(F) 500V/240A/30kW
- ANEVH750-25(F) 750V/25A/5kW
- ANEVH750-50(F) 750V/50A/10kW
- ANEVH750-75(F) 750V/75A/15kW
- ANEVH750-120(F) 750V/120A/21kW
- ANEVH750-180(F) 750V/180A/30kW
- ANEVH1000-40(F) 1000V/40A/10kW
- ANEVH1000-80(F) 1000V/80A/21kW
- ANEVH1000-100(F) 1000V/100A/30kW

### 3U Model

- ANEVH1500-40(F) 1500V/40A/15kW
- ANEVH1500-60(F) 1500V/60A/21kW
- ANEVH1500-80(F) 1500V/80A/30kW
- ANEVH2250-25(F) 2250V/25A/15kW
- ANEVH2250-50(F) 2250V/50A/21kW
- ANEVH2250-60(F) 2250V/60A/30kW

### 4U Model

- ANEVH80-680(F) 80V/680A/20kW
- ANEVH80-1020(F) 80V/1020A/30kW
- ANEVH300-450(F) 300V/450A/50kW
- ANEVH500-390(F) 500V/390A/50kW
- ANEVH750-300(F) 750V/300A/50kW
- ANEVH1000-150(F) 1000V/150A/50kW
- ANEVH1500-130(F) 1500V/130A/50kW
- ANEVH2250-100(F) 2250V/100A/50kW

- Support multiple parallel outputs to extend power/current range

**Specifications**

| Model                                     |                     | ANEVH100-170(F)                                                                                                                                                                                                   | ANEVH100-340(F) | ANEVH100-510(F) | ANEVH300-75(F) | ANEVH300-150(F) | ANEVH300-225(F) |
|-------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|-----------------|-----------------|
| Input                                     | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                         |                 |                 |                |                 |                 |
|                                           | Voltage             | 342V-528VAC                                                                                                                                                                                                       |                 |                 |                |                 |                 |
|                                           | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                 |                |                 |                 |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                 |                |                 |                 |
| Output                                    | Voltage             | 0-100VDC                                                                                                                                                                                                          | 0-100VDC        | 0-100VDC        | 0-300VDC       | 0-300VDC        | 0-300VDC        |
|                                           | Current             | -170A-170A                                                                                                                                                                                                        | -340A-340A      | -510A-510A      | -75A-75A       | -150A-150A      | -225A-225A      |
|                                           | Power               | -5KW-5KW                                                                                                                                                                                                          | -10KW-10KW      | -15KW-15KW      | -5kW-5kW       | -10kW-10kW      | -15kW-15kW      |
| Display mode                              |                     | 4.3-inch color LCD                                                                                                                                                                                                |                 |                 |                |                 |                 |
| Voltage resolution                        |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                          |                 |                 |                |                 |                 |
| Current resolution                        |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                          |                 |                 |                |                 |                 |
| Power resolution                          |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                      |                 |                 |                |                 |                 |
| Set up error<br>(programming accuracy)    | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                 |                |                 |                 |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                 |                |                 |                 |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                 |                |                 |                 |
| Measurement error<br>(Read-back accuracy) | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                 |                |                 |                 |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                 |                |                 |                 |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                 |                |                 |                 |
| Ripple and noise<br>20Hz-20MHz            | Vrms                | 40mvrms(100V)                                                                                                                                                                                                     |                 |                 | 100mvrms       |                 |                 |
|                                           | Vpp                 | 250mvPP(100V)                                                                                                                                                                                                     |                 |                 | 650mvPP        |                 |                 |
| Load effect                               | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                 |                 |                |                 |                 |
|                                           | Current             | ≤0.05%Imax                                                                                                                                                                                                        |                 |                 |                |                 |                 |
| Source effect                             | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                 |                 |                |                 |                 |
|                                           | Current             | ≤0.01%Imax                                                                                                                                                                                                        |                 |                 |                |                 |                 |
| Transient response time                   |                     | ≤2ms                                                                                                                                                                                                              |                 |                 |                |                 |                 |
| Forward and reverse<br>switching speed    |                     | 2ms (+90%-90%)                                                                                                                                                                                                    |                 |                 |                |                 |                 |
| Temperature drift                         | Voltage             | 0.05% setting value                                                                                                                                                                                               |                 |                 |                |                 |                 |
|                                           | Current             | 0.05% setting value                                                                                                                                                                                               |                 |                 |                |                 |                 |
| Noise                                     |                     | ≤65dB(A) (Measuring distance≥2m)                                                                                                                                                                                  |                 |                 |                |                 |                 |
| OVP range                                 |                     | 110%F.S                                                                                                                                                                                                           |                 |                 |                |                 |                 |
| Maximum lead voltage drop compensation    |                     | ≤5% Umax(300V 6.5V)                                                                                                                                                                                               |                 |                 |                |                 |                 |
| Communication function                    |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                     |                 |                 |                |                 |                 |
| Protection functions                      |                     | Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.                                                                     |                 |                 |                |                 |                 |
| Analog interface (optional)               |                     | Start, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                           |                 |                 |                |                 |                 |
| Other external interfaces                 |                     | Standard configuration for parallel ports                                                                                                                                                                         |                 |                 |                |                 |                 |
| Efficiency                                |                     | ~90%                                                                                                                                                                                                              |                 |                 |                |                 |                 |
| Feedback parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                 |                |                 |                 |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                 |                |                 |                 |
|                                           | Switching time      | ≤2ms                                                                                                                                                                                                              |                 |                 |                |                 |                 |
|                                           | Feedback function   | Full power range feedback                                                                                                                                                                                         |                 |                 |                |                 |                 |
|                                           | Feedback efficiency | ~90%                                                                                                                                                                                                              |                 |                 |                |                 |                 |
| Operating temperature                     |                     | 0~40℃                                                                                                                                                                                                             |                 |                 |                |                 |                 |
| Storage temperature                       |                     | -20-70℃                                                                                                                                                                                                           |                 |                 |                |                 |                 |
| Humidity                                  |                     | <80%, without condensation                                                                                                                                                                                        |                 |                 |                |                 |                 |
| Volume                                    | Enclosure size      | 444×132.5×705.5mm                                                                                                                                                                                                 |                 |                 |                |                 |                 |
|                                           | Overall dimensions  | 444×132.5×768mm                                                                                                                                                                                                   |                 |                 |                |                 |                 |
| Weight                                    |                     | 5kw≤23kg 10kw≤31kg 15kw≤38kg                                                                                                                                                                                      |                 |                 |                |                 |                 |
| Remarks                                   |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%" |                 |                 |                |                 |                 |

Any changes to the above parameter specifications will not be notified separately.

## Specifications

| Model                                     |                     | ANEVH500-40(F)                                                                                                                                                                                                    | ANEVH500-80(F) | ANEVH500-120(F) | ANEVH750-25(F) | ANEVH750-50(F) | ANEVH750-75(F) |
|-------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|----------------|----------------|----------------|
| Input                                     | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                         |                |                 |                |                |                |
|                                           | Voltage             | 342V-528VAC                                                                                                                                                                                                       |                |                 |                |                |                |
|                                           | Frequency           | 45-66Hz                                                                                                                                                                                                           |                |                 |                |                |                |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                |                 |                |                |                |
| Output                                    | Voltage             | 0-500VDC                                                                                                                                                                                                          | 0-500VDC       | 0-500VDC        | 0-750VDC       | 0-750VDC       | 0-750VDC       |
|                                           | Current             | -40A-40A                                                                                                                                                                                                          | -80A-80A       | -120A-120A      | -25A-25A       | -50A-50A       | -75A-75A       |
|                                           | Power               | -5kW-5kW                                                                                                                                                                                                          | -10kW-10kW     | -15kW-15kW      | -5kW-5kW       | -10kW-10kW     | -15kW-15kW     |
| Display mode                              |                     | 4.3-inch color LCD                                                                                                                                                                                                |                |                 |                |                |                |
| Voltage resolution                        |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                          |                |                 |                |                |                |
| Current resolution                        |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                          |                |                 |                |                |                |
| Power resolution                          |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                      |                |                 |                |                |                |
| Setting error<br>(programming accuracy)   | Voltage             | ≤0.05%F.S                                                                                                                                                                                                         |                |                 |                |                |                |
|                                           | Current             | ≤0.1%F.S                                                                                                                                                                                                          |                |                 |                |                |                |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                |                 |                |                |                |
| Measurement error<br>(Read-back accuracy) | Voltage             | ≤0.05%F.S                                                                                                                                                                                                         |                |                 |                |                |                |
|                                           | Current             | ≤0.1%F.S                                                                                                                                                                                                          |                |                 |                |                |                |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                |                 |                |                |                |
| Ripple and noise<br>20Hz-20MHz            | Vrms                | 70mvrms                                                                                                                                                                                                           |                |                 | 90mvrms(750V)  |                |                |
|                                           | Vpp                 | 500mvPP                                                                                                                                                                                                           |                |                 | 800mvPP(750V)  |                |                |
| Load effect                               | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                |                 |                |                |                |
|                                           | Current             | ≤0.05%Imax                                                                                                                                                                                                        |                |                 |                |                |                |
| Source effect                             | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                |                 |                |                |                |
|                                           | Current             | ≤0.01%Imax                                                                                                                                                                                                        |                |                 |                |                |                |
| Transient response time <sup>2</sup>      |                     | ≤2ms                                                                                                                                                                                                              |                |                 |                |                |                |
| Forward and reverse switching speed       |                     | 2ms (+90%-90%)                                                                                                                                                                                                    |                |                 |                |                |                |
| Temperature drift                         | Voltage             | 0.05% setting value                                                                                                                                                                                               |                |                 |                |                |                |
|                                           | Current             | 0.05% setting value                                                                                                                                                                                               |                |                 |                |                |                |
| Noise                                     |                     | ≤65dB(A) (Measuring distance≥2m)                                                                                                                                                                                  |                |                 |                |                |                |
| Scope of OVP                              |                     | 110%F.S                                                                                                                                                                                                           |                |                 |                |                |                |
| Maximum lead voltage drop compensation    |                     | ≤5% Umax (300V 6.5V)                                                                                                                                                                                              |                |                 |                |                |                |
| Communication function                    |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                     |                |                 |                |                |                |
| Protection functions                      |                     | Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection, internal overheating protection.                                                                        |                |                 |                |                |                |
| Analog interface (optional)               |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                         |                |                 |                |                |                |
| Other external interfaces                 |                     | Standard configuration for parallel ports                                                                                                                                                                         |                |                 |                |                |                |
| Efficiency                                |                     | ~90%                                                                                                                                                                                                              |                |                 |                |                |                |
| Feedback parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                           |                |                 |                |                |                |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                |                 |                |                |                |
|                                           | Switching time      | ≤2ms                                                                                                                                                                                                              |                |                 |                |                |                |
|                                           | Feedback function   | Full power range feedback                                                                                                                                                                                         |                |                 |                |                |                |
|                                           | Feedback efficiency | ~90%                                                                                                                                                                                                              |                |                 |                |                |                |
| Operating temperature                     |                     | 0~40℃                                                                                                                                                                                                             |                |                 |                |                |                |
| Storage temperature                       |                     | -20-70℃                                                                                                                                                                                                           |                |                 |                |                |                |
| Humidity                                  |                     | <80%, without condensation                                                                                                                                                                                        |                |                 |                |                |                |
| Volume                                    | Enclosure size      | 444×132.5×705.5mm                                                                                                                                                                                                 |                |                 |                |                |                |
|                                           | Overall dimension   | 444×132.5×768mm                                                                                                                                                                                                   |                |                 |                |                |                |
| Weight                                    |                     | 5kw≤23kg 10kw≤31kg 15kw≤38kg                                                                                                                                                                                      |                |                 |                |                |                |
| Remarks                                   |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%" |                |                 |                |                |                |

Any changes to the above parameter specifications will not be notified separately.

**Specifications**

| Model                                     |                     | ANEVH1000-40(F)                                                                                                                                                                                                   | ANEVH1000-75(F) | ANEVH1500-40(F) | ANEVH2250-25(F)                  |
|-------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------------------------|
| Input                                     | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                         |                 |                 |                                  |
|                                           | Voltage             | 342V-528VAC                                                                                                                                                                                                       |                 |                 |                                  |
|                                           | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                 |                                  |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                 |                                  |
| Output                                    | Voltage             | 0-1000VDC                                                                                                                                                                                                         | 0-1000VDC       | 0-1500VDC       | 0-2250VDC                        |
|                                           | Current             | -40A-40A                                                                                                                                                                                                          | -75A-75A        | -40A-40A        | -25A-25A                         |
|                                           | Power               | -10KW-10KW                                                                                                                                                                                                        | -15KW-15KW      | -15KW-15KW      | -15KW-15KW                       |
| Display mode                              |                     | 4.3-inch color LCD                                                                                                                                                                                                |                 |                 |                                  |
| Voltage resolution                        |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                          |                 |                 |                                  |
| Current resolution                        |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                          |                 |                 |                                  |
| Power resolution                          |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                      |                 |                 |                                  |
| Set up error<br>(programming accuracy)    | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                 |                                  |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                 |                                  |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                 |                                  |
| Measurement error<br>(Read-back accuracy) | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                 |                                  |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                 |                                  |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                 |                                  |
| Ripple and noise<br>20Hz-20MHz            | Vrms                | 300mvrms                                                                                                                                                                                                          | 100mvrms        | 200mvrms        |                                  |
|                                           | Vpp                 | 1600mvPP                                                                                                                                                                                                          | 1000mvPP        | 2000mvPP        |                                  |
| Load effect                               | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                 |                 |                                  |
|                                           | Current             | ≤0.05%Imax                                                                                                                                                                                                        |                 |                 |                                  |
| Source effect                             | Voltage             | ≤0.01%Umax                                                                                                                                                                                                        |                 |                 |                                  |
|                                           | Current             | ≤0.01%Imax                                                                                                                                                                                                        |                 |                 |                                  |
| Transient response time                   |                     | ≤2ms                                                                                                                                                                                                              |                 |                 |                                  |
| Forward and reverse<br>switching speed    |                     | 2ms (+90%-90%)                                                                                                                                                                                                    |                 |                 |                                  |
| Temperature drift                         | Voltage             | 0.05% setting value                                                                                                                                                                                               |                 |                 |                                  |
|                                           | Current             | 0.05% setting value                                                                                                                                                                                               |                 |                 |                                  |
| Noise                                     |                     | ≤65dB(A) (measuring distance≥2m)                                                                                                                                                                                  |                 |                 |                                  |
| OVP range                                 |                     | 110%F.S                                                                                                                                                                                                           |                 |                 |                                  |
| Maximum lead drop compensation            |                     | ≤5% Umax (300V 6.5V)                                                                                                                                                                                              |                 |                 |                                  |
| Communication function                    |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                     |                 |                 |                                  |
| Protection functions                      |                     | Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.                                                                     |                 |                 |                                  |
| Analog interface (optional)               |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                         |                 |                 |                                  |
| Other external interfaces                 |                     | Standard equipped parallel port                                                                                                                                                                                   |                 |                 |                                  |
| Efficiency                                |                     | ~90%                                                                                                                                                                                                              |                 |                 |                                  |
| Feedback parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                 |                                  |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                 |                                  |
|                                           | Switching time      | ≤2ms                                                                                                                                                                                                              |                 |                 |                                  |
|                                           | Feedback function   | Full power range feedback                                                                                                                                                                                         |                 |                 |                                  |
|                                           | Feedback efficiency | ~90%                                                                                                                                                                                                              |                 |                 |                                  |
| Operating temperature                     |                     | 0~40℃                                                                                                                                                                                                             |                 |                 |                                  |
| Storage temperature                       |                     | -20-70℃                                                                                                                                                                                                           |                 |                 |                                  |
| Humidity                                  |                     | < 80%, without condensation                                                                                                                                                                                       |                 |                 |                                  |
| Volume                                    | Enclosure size      | 444×132.5×705.5mm                                                                                                                                                                                                 |                 |                 |                                  |
|                                           | Overall dimensions  | 444×132.5×768mm                                                                                                                                                                                                   |                 |                 |                                  |
| Weight                                    |                     | 5kw: ≤23kg 10kw: ≤32kg 15kw≤38kg                                                                                                                                                                                  |                 |                 | 5kw: ≤23kg 10kw: ≤31kg 15kw≤38kg |
| Remarks                                   |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%" |                 |                 |                                  |

Any changes to the above parameter specifications will not be notified separately.

## Specifications

| Model                                        |                     | ANEVH300-225P(F)                                                                                                                                                                                                     | ANEVH500-160(F) | ANEVH750-120(F) | ANEVH1000-80(F) | ANEVH1500-60(F) | ANEVH2250-50(F) |
|----------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Input                                        | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                            |                 |                 |                 |                 |                 |
|                                              | Voltage             | 342V-528VAC                                                                                                                                                                                                          |                 |                 |                 |                 |                 |
|                                              | Frequency           | 45-66Hz                                                                                                                                                                                                              |                 |                 |                 |                 |                 |
|                                              | Power factor        | ≥0.99                                                                                                                                                                                                                |                 |                 |                 |                 |                 |
| Output                                       | Voltage             | 0-300VDC                                                                                                                                                                                                             | 0-500VDC        | 0-750VDC        | 0-1000VDC       | 0-1500VDC       | 0-2250VDC       |
|                                              | Current             | -225A-225A                                                                                                                                                                                                           | -160A-160A      | -120A-120A      | -80A-80A        | -60A~60A        | -50A-50A        |
|                                              | Power               | -21KW-21KW                                                                                                                                                                                                           | -21KW-21KW      | -21KW-21KW      | -21KW-21KW      | -21KW-21KW      | -21KW-21KW      |
| Display mode                                 |                     | 4.3-inch color LCD                                                                                                                                                                                                   |                 |                 |                 |                 |                 |
| Voltage resolution                           |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                             |                 |                 |                 |                 |                 |
| Current resolution                           |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                             |                 |                 |                 |                 |                 |
| Power resolution                             |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                         |                 |                 |                 |                 |                 |
| Set up error<br>(programming<br>accuracy)    | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
|                                              | Current             | ≤0.1%F.S.                                                                                                                                                                                                            |                 |                 |                 |                 |                 |
|                                              | Power               | ≤1%FS                                                                                                                                                                                                                |                 |                 |                 |                 |                 |
| Measurement error<br>(Read-back<br>accuracy) | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
|                                              | Current             | ≤0.1%F.S.                                                                                                                                                                                                            |                 |                 |                 |                 |                 |
|                                              | Power               | ≤1%FS                                                                                                                                                                                                                |                 |                 |                 |                 |                 |
| Ripple and noise<br>20Hz-20MHz               | Vrms                | 100mvrms                                                                                                                                                                                                             | 80mvrms         | 80mvrms         | 220mvrms        | 220mvrms        | 400mvrms        |
|                                              | Vpp                 | 650mvPP                                                                                                                                                                                                              | 750mvPP         | 800mvPP         | 1600mvPP        | 1800mvPP        | 2400mvPP        |
| Load effect                                  | Voltage             | ≤0.01%Umax                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
|                                              | Current             | ≤0.05%Imax                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
| Source effect                                | Voltage             | ≤0.01%Umax                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
|                                              | Current             | ≤0.01%Imax                                                                                                                                                                                                           |                 |                 |                 |                 |                 |
| Transient response time                      |                     | ≤2ms                                                                                                                                                                                                                 |                 |                 |                 |                 |                 |
| Forward and reverse<br>switching speed       |                     | 2ms (+90%-90%)                                                                                                                                                                                                       |                 |                 |                 |                 |                 |
| Temperature drift                            | Voltage             | 0.05% setting value                                                                                                                                                                                                  |                 |                 |                 |                 |                 |
|                                              | Current             | 0.05% setting value                                                                                                                                                                                                  |                 |                 |                 |                 |                 |
| Noise                                        |                     | ≤65dB(A) (Measuring distance≥2m)                                                                                                                                                                                     |                 |                 |                 |                 |                 |
| Scope of OVP                                 |                     | 110%F.S                                                                                                                                                                                                              |                 |                 |                 |                 |                 |
| Maximum load drop compensation               |                     | ≤5% Umax (300V 6.5V)                                                                                                                                                                                                 |                 |                 |                 |                 |                 |
| Communication function                       |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                        |                 |                 |                 |                 |                 |
| Protection functions                         |                     | Input undervoltage protection, short-circuit protection, output overvoltage,<br>current-limiting protection and internal overheating protection.                                                                     |                 |                 |                 |                 |                 |
| Analog interface (optional)                  |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                            |                 |                 |                 |                 |                 |
| Other external interfaces                    |                     | Standard equipped parallel port                                                                                                                                                                                      |                 |                 |                 |                 |                 |
| Efficiency                                   |                     | ~90%                                                                                                                                                                                                                 |                 |                 |                 |                 |                 |
| Feedback<br>parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                              |                 |                 |                 |                 |                 |
|                                              | Power factor        | ≥0.99                                                                                                                                                                                                                |                 |                 |                 |                 |                 |
|                                              | Switching time      | ≤2ms                                                                                                                                                                                                                 |                 |                 |                 |                 |                 |
|                                              | Feedback function   | Full power range feedback                                                                                                                                                                                            |                 |                 |                 |                 |                 |
|                                              | Feedback efficiency | ~90%                                                                                                                                                                                                                 |                 |                 |                 |                 |                 |
| Operating temperature                        |                     | 0~40℃                                                                                                                                                                                                                |                 |                 |                 |                 |                 |
| Storage temperature                          |                     | -20~70℃                                                                                                                                                                                                              |                 |                 |                 |                 |                 |
| Humidity                                     |                     | <80%, without condensation                                                                                                                                                                                           |                 |                 |                 |                 |                 |
| Volume                                       | Enclosure size      | 444×132.5×705.5mm                                                                                                                                                                                                    |                 |                 |                 |                 |                 |
|                                              | Overall dimension   | 444×132.5×768mm                                                                                                                                                                                                      |                 |                 |                 |                 |                 |
| Weight                                       |                     | 21kw≤39kg                                                                                                                                                                                                            |                 |                 |                 |                 |                 |
| Remarks                                      |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse,<br>and for the output voltage to return to within "rated value±0.75%" |                 |                 |                 |                 |                 |

Any changes to the above parameter specifications will not be notified separately.

### Specifications

| Model                                        |                     | ANEVH80-680(F)                                                                                                                                                                                                       | ANEVH80-1020(F) | ANEVH500-240(F)   | ANEVH750-180(F)   |
|----------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-------------------|
| Input                                        | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                            |                 |                   |                   |
|                                              | Voltage             | 342V-528VAC                                                                                                                                                                                                          |                 |                   |                   |
|                                              | Frequency           | 45-66Hz                                                                                                                                                                                                              |                 |                   |                   |
|                                              | Power factor        | ≥0.99                                                                                                                                                                                                                |                 |                   |                   |
| Output                                       | Voltage             | 0~80VDC                                                                                                                                                                                                              | 0~80VDC         | 0~500VDC          | 0~750VDC          |
|                                              | Current             | -680A ~ 680A                                                                                                                                                                                                         | -1020A ~ 1020A  | -240A ~ 240A      | -180A ~ 180A      |
|                                              | Power               | -20kW ~ 20kW                                                                                                                                                                                                         | -30kW ~ 30kW    | -30kW ~ 30kW      | -30kW ~ 30kW      |
| Display mode                                 |                     | 4.3-inch color LCD                                                                                                                                                                                                   |                 |                   |                   |
| Voltage resolution                           |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                             |                 |                   |                   |
| Current resolution                           |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                             |                 |                   |                   |
| Power resolution                             |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                         |                 |                   |                   |
| Set up error<br>(programming<br>accuracy)    | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                           |                 |                   |                   |
|                                              | Current             | ≤0.1%F.S.                                                                                                                                                                                                            |                 |                   |                   |
|                                              | Power               | ≤1%FS                                                                                                                                                                                                                |                 |                   |                   |
| Measurement error<br>(Read-back<br>accuracy) | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                           |                 |                   |                   |
|                                              | Current             | ≤0.1%F.S.                                                                                                                                                                                                            |                 |                   |                   |
|                                              | Power               | ≤1%FS                                                                                                                                                                                                                |                 |                   |                   |
| Ripple and noise<br>20Hz-20MHz               | Vrms                | 25mvrms                                                                                                                                                                                                              |                 | 80mvrms           | 80mvrms           |
|                                              | Vpp                 | 400mvPP                                                                                                                                                                                                              |                 | 750mvPP           | 800mvPP           |
| Load effect                                  | Voltage             | ≤0.02%Umax                                                                                                                                                                                                           |                 | ≤0.01%Umax        |                   |
|                                              | Current             | ≤0.05%Imax                                                                                                                                                                                                           |                 | ≤0.05%Imax        |                   |
| Source effect                                | Voltage             | ≤0.02%Umax                                                                                                                                                                                                           |                 | ≤0.01%Umax        |                   |
|                                              | Current             | ≤0.05%Imax                                                                                                                                                                                                           |                 | ≤0.01%Imax        |                   |
| Transient response time                      |                     | ≤2ms                                                                                                                                                                                                                 |                 |                   |                   |
| Forward and reverse<br>switching speed       |                     | 2ms (+90%-90%)                                                                                                                                                                                                       |                 |                   |                   |
| Temperature drift                            | Voltage             | 0.05% setting value                                                                                                                                                                                                  |                 |                   |                   |
|                                              | Current             | 0.05% setting value                                                                                                                                                                                                  |                 |                   |                   |
| Noise                                        |                     | ≤65dB(A) (Measuring distance≥2m)                                                                                                                                                                                     |                 |                   |                   |
| Scope of OVP                                 |                     | 110%F.S                                                                                                                                                                                                              |                 |                   |                   |
| Maximum lead drop compensation               |                     | ≤5% Umax (300V 6.5V)                                                                                                                                                                                                 |                 |                   |                   |
| Communication function                       |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                        |                 |                   |                   |
| Protection functions                         |                     | Input undervoltage protection, short-circuit protection, output overvoltage,<br>current-limiting protection and internal overheating protection.                                                                     |                 |                   |                   |
| Analog interface (optional)                  |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                            |                 |                   |                   |
| Other external interfaces                    |                     | Standard configuration for parallel ports                                                                                                                                                                            |                 |                   |                   |
| Efficiency                                   |                     | ≤93.5%                                                                                                                                                                                                               |                 | ~90%              |                   |
| Feedback<br>parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                              |                 |                   |                   |
|                                              | Power factor        | ≥0.99                                                                                                                                                                                                                |                 |                   |                   |
|                                              | Switching time      | ≤2ms                                                                                                                                                                                                                 |                 |                   |                   |
|                                              | Feedback function   | Full power range feedback                                                                                                                                                                                            |                 |                   |                   |
|                                              | Feedback efficiency | ≤93.5%                                                                                                                                                                                                               |                 | ~90%              |                   |
| Operating temperature                        |                     | 0~40℃                                                                                                                                                                                                                |                 |                   |                   |
| Storage temperature                          |                     | -20-70℃                                                                                                                                                                                                              |                 |                   |                   |
| Humidity                                     |                     | < 80%, without condensation                                                                                                                                                                                          |                 |                   |                   |
| Volume                                       | Enclosure size      | 444*177*696.5mm                                                                                                                                                                                                      | 444*177*696.5mm | 444*132.5*705.5mm | 444*132.5*705.5mm |
|                                              | Overall dimension   | 444*177*768mm                                                                                                                                                                                                        | 444*177*768mm   | 444*132.5*768mm   | 444*132.5*768mm   |
| Weight                                       |                     | 20kw≤41kg                                                                                                                                                                                                            | 30kw≤53.5kg     | 30kw≤40kg         | 30kw≤40kg         |
| Remarks                                      |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse,<br>and for the output voltage to return to within "rated value±0.75%" |                 |                   |                   |

Any changes to the above parameter specifications will not be notified separately.

## Specifications

| Model                                        |                     | ANEVH1000-100(F)                                                                                                                                                                                                              | ANEVH1500-80(F) | ANEVH2250-60(F)   |
|----------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|
| Input                                        | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                                     |                 |                   |
|                                              | Voltage             | 342V-528VAC                                                                                                                                                                                                                   |                 |                   |
|                                              | Frequency           | 45-66Hz                                                                                                                                                                                                                       |                 |                   |
|                                              | Power factor        | $\geq 0.99$                                                                                                                                                                                                                   |                 |                   |
| Output                                       | Voltage             | 0-1000VDC                                                                                                                                                                                                                     | 0~1500VDC       | 0~2250VDC         |
|                                              | Current             | -100A-100A                                                                                                                                                                                                                    | -80A~80A        | -60A~60A          |
|                                              | Power               | -30KW-30KW                                                                                                                                                                                                                    | -30kW~30kW      | -30kW~30kW        |
| Display mode                                 |                     | 4.3-inch color LCD                                                                                                                                                                                                            |                 |                   |
| Voltage resolution                           |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                                      |                 |                   |
| Current resolution                           |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                                      |                 |                   |
| Power resolution                             |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                                  |                 |                   |
| Set up error<br>(programming<br>accuracy)    | Voltage             | $\leq 0.05\%F.S.$                                                                                                                                                                                                             |                 |                   |
|                                              | Current             | $\leq 0.1\%F.S.$                                                                                                                                                                                                              |                 |                   |
|                                              | Power               | $\leq 1\%FS$                                                                                                                                                                                                                  |                 |                   |
| Measurement error<br>(Read-back<br>accuracy) | Voltage             | $\leq 0.05\%F.S.$                                                                                                                                                                                                             |                 |                   |
|                                              | Current             | $\leq 0.1\%F.S.$                                                                                                                                                                                                              |                 |                   |
|                                              | Power               | $\leq 1\%FS$                                                                                                                                                                                                                  |                 |                   |
| Ripple and noise<br>20Hz-20MHz               | Vrms                | 200mvrms                                                                                                                                                                                                                      | 220mvrms        | 400mvrms          |
|                                              | Vpp                 | 1600mvPP                                                                                                                                                                                                                      | 1800mvPP        | 2400mvPP          |
| Load effect                                  | Voltage             | $\leq 0.01\%U_{max}$                                                                                                                                                                                                          |                 |                   |
|                                              | Current             | $\leq 0.05\%I_{max}$                                                                                                                                                                                                          |                 |                   |
| Source effect                                | Voltage             | $\leq 0.01\%U_{max}$                                                                                                                                                                                                          |                 |                   |
|                                              | Current             | $\leq 0.01\%I_{max}$                                                                                                                                                                                                          |                 |                   |
| Transient response time                      |                     | $\leq 2ms$                                                                                                                                                                                                                    |                 |                   |
| Forward and reverse<br>switching speed       |                     | 2ms (+90%-90%)                                                                                                                                                                                                                |                 |                   |
| Temperature drift                            | Voltage             | 0.05% setting value                                                                                                                                                                                                           |                 |                   |
|                                              | Current             | 0.05% setting value                                                                                                                                                                                                           |                 |                   |
| Noise                                        |                     | $\leq 65dB(A)$ (Measuring distance $\geq 2m$ )                                                                                                                                                                                |                 |                   |
| Scope of OVP                                 |                     | 110%F.S                                                                                                                                                                                                                       |                 |                   |
| Maximum load drop compensation               |                     | $\leq 5\% U_{max}$ (300V 6.5V)                                                                                                                                                                                                |                 |                   |
| Communication function                       |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                                 |                 |                   |
| Protection functions                         |                     | Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.                                                                                 |                 |                   |
| Analog interface (optional)                  |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                                     |                 |                   |
| Other external interfaces                    |                     | Standard configuration for parallel ports                                                                                                                                                                                     |                 |                   |
| Efficiency                                   |                     | $\sim 90\%$                                                                                                                                                                                                                   |                 | $\leq 95\%$       |
| Feedback<br>parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                                       |                 |                   |
|                                              | Power factor        | $\geq 0.99$                                                                                                                                                                                                                   |                 |                   |
|                                              | Switching time      | $\leq 2ms$                                                                                                                                                                                                                    |                 |                   |
|                                              | Feedback function   | Full power range feedback                                                                                                                                                                                                     |                 |                   |
|                                              | Feedback efficiency | $\sim 90\%$                                                                                                                                                                                                                   |                 | $\leq 95\%$       |
| Operating temperature                        |                     | 0~40℃                                                                                                                                                                                                                         |                 |                   |
| Storage temperature                          |                     | -20~70℃                                                                                                                                                                                                                       |                 |                   |
| Humidity                                     |                     | < 80%, without condensation                                                                                                                                                                                                   |                 |                   |
| Volume                                       | Enclosure size      | 444×132.5×705.5mm                                                                                                                                                                                                             |                 | 444×132.5×705.5mm |
|                                              | Overall dimension   | 444×132.5×768mm                                                                                                                                                                                                               |                 | 444×132.5×768mm   |
| Weight                                       |                     | 30kw $\leq$ 40kg                                                                                                                                                                                                              |                 | 30kw $\leq$ 40kg  |
| Remarks                                      |                     | 1. Programming accuracy/read-back accuracy test condition (25℃ $\pm$ 5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value $\pm$ 0.75%" |                 |                   |

Any changes to the above parameter specifications will not be notified separately.

### Specifications

| Model                                     |                     | ANEVH300-450(F)                                                                                                                                                                                                   | ANEVH500-390(F) | ANEVH1000-150(F)                                                                                | ANEVH1500-130(F) | ANEVH750-300(F)                                                                                 | ANEVH2250-100(F) |
|-------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------|------------------|
| Input                                     | Phase number        | Three-phase three-wire+PE                                                                                                                                                                                         |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Voltage             | 342V-528VAC                                                                                                                                                                                                       |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
| Output                                    | Voltage             | 0~300VDC                                                                                                                                                                                                          | 0~500VDC        | 0~1000VDC                                                                                       | 0~1500VDC        | 0-750VDC(expandable to 800V)                                                                    | 0~2250VDC        |
|                                           | Current             | -450A~450A                                                                                                                                                                                                        | -390A~390A      | -150A~150A                                                                                      | -130A~130A       | -300A~300A                                                                                      | -100A~100A       |
|                                           | Power               | -50kW~50kW                                                                                                                                                                                                        | -50kW~50kW      | -50kW~50kW                                                                                      | -50kW~50kW       | -50kW~50kW                                                                                      | -50kW~50kW       |
|                                           | Internal resistance | 0.033~150Ω                                                                                                                                                                                                        | 0.051~500Ω      | 0.226~1000Ω                                                                                     | 0.384~1500Ω      | 0.1~750Ω                                                                                        | 0.6~2250Ω        |
| Display mode                              |                     | 4.3-inch color LCD                                                                                                                                                                                                |                 |                                                                                                 |                  |                                                                                                 |                  |
| Voltage resolution                        |                     | 0.01V (0.1V when >1000V)                                                                                                                                                                                          |                 |                                                                                                 |                  |                                                                                                 |                  |
| Current resolution                        |                     | 0.01A (0.1A when >1000A)                                                                                                                                                                                          |                 |                                                                                                 |                  |                                                                                                 |                  |
| Power resolution                          |                     | 0.001kW (0.01kW when >100kW)                                                                                                                                                                                      |                 |                                                                                                 |                  |                                                                                                 |                  |
| Internal resistance resolution            |                     | 0.001Ω (0.01Ω when >100Ω, 0.1Ω when>1000Ω)                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
| Set up error<br>(programming accuracy)1   | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Internal resistance | ≤0.3% of maximum resistance ± 0.1% of maximum current (note: applicable to feedback current above 2A)                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
| Measurement error<br>(Read-back accuracy) | Voltage             | ≤0.05%F.S.                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Current             | ≤0.1%F.S.                                                                                                                                                                                                         |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Power               | ≤1%FS                                                                                                                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Internal resistance | ≤0.3% of maximum resistance ± 0.1% of maximum current (note: applicable to feedback current above 2A)                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
| Ripple and noise<br>20Hz-20MHz            | Vrms                | ≤80mVrms                                                                                                                                                                                                          | ≤100mVrms       | ≤170mVrms                                                                                       | ≤200mVrms        | ≤120mVrms                                                                                       | ≤240mVrms        |
|                                           | Vpp                 | ≤800mVpp                                                                                                                                                                                                          | ≤1000mVpp       | ≤1800mVpp                                                                                       | ≤2200mVpp        | ≤1200mVpp                                                                                       | ≤2400mVpp        |
| Load effect                               | Voltage             | ≤0.02%Umax                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Current             | ≤0.05%Imax                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
| Source effect                             | Voltage             | ≤0.02%Umax                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Current             | ≤0.02%Imax                                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
| Transient response time <sup>2</sup>      |                     | ≤2ms                                                                                                                                                                                                              |                 |                                                                                                 |                  |                                                                                                 |                  |
| Forward and reverse switching speed       |                     | 2ms (+90%-90%)                                                                                                                                                                                                    |                 |                                                                                                 |                  |                                                                                                 |                  |
| Temperature drift                         | Voltage             | 0.05% setting value                                                                                                                                                                                               |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Current             | 0.05% setting value                                                                                                                                                                                               |                 |                                                                                                 |                  |                                                                                                 |                  |
| Scope of OVP                              |                     | 110%F.S                                                                                                                                                                                                           |                 |                                                                                                 |                  |                                                                                                 |                  |
| Maximum lead drop compensation            |                     | ≤5% Umax                                                                                                                                                                                                          |                 |                                                                                                 |                  |                                                                                                 |                  |
| Communication function                    |                     | Standard: CAN/232/485/LAN/USB, optional: GPIB                                                                                                                                                                     |                 |                                                                                                 |                  |                                                                                                 |                  |
| Protection functions                      |                     | Input undervoltage protection, short-circuit protection, output overvoltage, current-limiting protection and internal overheating protection.                                                                     |                 |                                                                                                 |                  |                                                                                                 |                  |
| Waveform editing (sequence)               |                     |                                                                                                                                                                                                                   |                 | Conventional waveform editing function and integrated testing standards, which can be graphical |                  | Conventional waveform editing function and integrated testing standards, which can be graphical |                  |
| Analog interface (optional)               |                     | Startup, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                         |                 |                                                                                                 |                  |                                                                                                 |                  |
| Other external interfaces                 |                     | Standard equipped parallel port                                                                                                                                                                                   |                 |                                                                                                 |                  |                                                                                                 |                  |
| Efficiency                                |                     | ≤93.5%                                                                                                                                                                                                            |                 |                                                                                                 |                  |                                                                                                 |                  |
| Feedback parameters                       | Frequency           | 45-66Hz                                                                                                                                                                                                           |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Power factor        | ≥0.99                                                                                                                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Switching time      | ≤2ms                                                                                                                                                                                                              |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Feedback function   | Full power range feedback                                                                                                                                                                                         |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Feedback efficiency | ≤94%                                                                                                                                                                                                              |                 |                                                                                                 |                  |                                                                                                 |                  |
| Operating temperature                     |                     | 0~40℃                                                                                                                                                                                                             |                 |                                                                                                 |                  |                                                                                                 |                  |
| Storage temperature                       |                     | -20-70℃                                                                                                                                                                                                           |                 |                                                                                                 |                  |                                                                                                 |                  |
| Humidity                                  |                     | <80%, without condensation                                                                                                                                                                                        |                 |                                                                                                 |                  |                                                                                                 |                  |
| Volume                                    | Enclosure size      | 444×177×705.5mm                                                                                                                                                                                                   |                 |                                                                                                 |                  |                                                                                                 |                  |
|                                           | Overall dimension   | 444×177×805mm                                                                                                                                                                                                     |                 |                                                                                                 |                  |                                                                                                 |                  |
| Weight                                    |                     | ≤53kg                                                                                                                                                                                                             |                 |                                                                                                 |                  | 50kW≤53kg                                                                                       |                  |
| Remarks                                   |                     | 1. Programming accuracy/read-back accuracy test condition (25℃±5℃);<br>2. Time required for the load to change from 100% to 50% or in reverse, and for the output voltage to return to within "rated value±0.75%" |                 |                                                                                                 |                  |                                                                                                 |                  |

Any changes to the above parameter specifications will not be notified separately.