

### DC Voltage-stabilized Power Supply AN50(F) Low Power Series



#### Product Overview

AN50(F) small power series DC power supply adopts high-frequency PWM control and full-bridge converter technology to be featured by fast dynamic response, strong overcurrent capability, and low output ripple. It has the advantages of small size, low weight, low noise, high efficiency and simple operation, making it a cost-effective power supply. It can be used for the manufacturing, testing, and maintenance of military electronic equipment such as motors, power tools, automotive electronics, breaking-closing coils, DC switches, aircraft and airborne equipment, radar and navigation, while being used in industrial and mining enterprises, college laboratories, research institutes, among others.

#### Features

- The full range of standard chassis, with a depth of only 350mm, is suitable for system integration and portable applications.
- The adopted high-frequency PWM and full-bridge converter technology makes the whole machine become more efficient.
- It supports up to 110% current/power overload.
- It also has excellent output stability.
- The lead voltage drop compensation terminal enables output lead voltage drop compensation for high-current operation.
- The complete protection function can ensure the normal operation of the power supply equipment and the safety of the load.
- The Nixie tube display is available. It is simple, intuitive and user-friendly.
- It supports SCPI, MODBUS-RTU standard communication protocols.

## Ordering and function expansion

AN5010-100(F): 10V/100A/1000W  
 AN5035-30(F): 35V/30A/1000W  
 AN5035-50(F): 35V/50A/1500W  
 AN5035-100(F): 35V/100A/3000W  
 AN5060-25(F): 60V/25A/1500W  
 AN5060-50(F): 60V/50A/3000W  
 AN50120-12(F): 120V/12.5A/1500W  
 AN50120-25(F): 120V/25A/3000W  
 AN50300-5(F): 300V/5A/1500W  
 AN50300-10(F): 300V/10A/3000W  
 AN5035-170(F): 35V/172A/6000W  
 AN5035-285(F): 35V/286A/10000W  
 AN5035-570(F): 35V/572A/20000W  
 AN5080-75(F): 80V/75A/6000W  
 AN5080-125(F): 80V/125/10000W  
 AN5080-250(F): 80V/250A/20000W

AN50120-50(F): 120V/50A/6000W  
 AN50120-80(F): 120V/84A/10000W  
 AN50120-165(F): 120V/167A/20000W  
 AN50300-20(F): 300V/20A/6000W  
 AN50300-30(F): 300V/34A/10000W  
 AN50300-65(F): 300V/67A/20000W  
 AN50600-10(F): 600V/10A/6000W  
 AN50600-17(F): 600V/17A/10000W  
 AN50600-30(F): 600V/34A/20000W  
 AN50700-9(F): 700V/9A/6000W  
 AN50700-14(F): 700V/14.5A/10000W  
 AN50700-29(F): 700V/29A/20000W  
 AN501200-17(F): 1200V/17A/20000W  
 AN501400-14(F): 1400V/14A/20000W

## Specifications

| Model                                  | AN5010-100(F)                                                                                                                                                 | AN5035-30(F)                                              | AN5035-50(F) | AN5035-100(F) | AN5060-25(F) | AN5060-50(F) |         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|---------------|--------------|--------------|---------|
| Input Power Supply                     | Single phase, 220V±22V, 47-63Hz                                                                                                                               |                                                           |              |               |              |              |         |
| Output                                 | Voltage                                                                                                                                                       | 0~10V                                                     | 0~35V        |               |              | 0~60V        |         |
|                                        | Current                                                                                                                                                       | 0~100A                                                    | 0~30A        | 0~50A         | 0~100A       | 0~25A        | 0~50A   |
|                                        | Power                                                                                                                                                         | 0~1000W                                                   | 0~1000W      | 0~1500W       | 0~3000W      | 0~1500W      | 0~3000W |
| Resolution and accuracy                | Voltage                                                                                                                                                       | Resolution 0.001V (0.01V when ≥ 10V), accuracy ≤ 0.4%Umax |              |               |              |              |         |
|                                        | Current                                                                                                                                                       | Resolution 0.001A (0.01A when ≥ 10A), accuracy ≤ 0.5%Imax |              |               |              |              |         |
| Ripple and Noise<br>20Hz~20MHz         | Vrms                                                                                                                                                          | 30mV                                                      |              |               |              | 60mV         |         |
|                                        | Vpp                                                                                                                                                           | 200mV                                                     |              |               |              | 300mV        |         |
| Effect                                 | Voltage                                                                                                                                                       | Load effect ≤0.1%Umax, source effect ≤0.05%Umax           |              |               |              |              |         |
|                                        | Current                                                                                                                                                       | Load effect ≤0.2%Imax, source effect ≤0.1%Imax            |              |               |              |              |         |
| Transient response time                | ≤5ms                                                                                                                                                          |                                                           |              |               |              |              |         |
| Maximum lead voltage drop compensation | 2V                                                                                                                                                            |                                                           |              |               |              |              |         |
| Communication function                 | RS-232 (standard)/RS485 (optional)                                                                                                                            |                                                           |              |               |              |              |         |
| Protection function                    | Output short-circuit protection, output overvoltage, internal overheating protection, S-terminal over-compensation protection, S-terminal reversal protection |                                                           |              |               |              |              |         |
| Analog interface(optional)             | Start, stop, alarm, 0-5V/0-10V or 4-20mA analog control output                                                                                                |                                                           |              |               |              |              |         |
| Working Environment                    | Temperature: 0~40℃; Humidity: 20~90%RH                                                                                                                        |                                                           |              |               |              |              |         |
| Volume W×H×D(mm)                       | 210×133×325                                                                                                                                                   |                                                           |              | 440×133×350   |              |              |         |
| Weight                                 | 6kg                                                                                                                                                           |                                                           | 9kg          | 12kg          | 9kg          | 12kg         |         |

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

**Specifications**

| Model                                  |         | AN50120-12(F)                                                                                                                                                 | AN50120-25(F) | AN50300-5(F) | AN50300-10(F) |
|----------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|---------------|
| Input Power Supply                     |         | Single phase, 220V±22V, 47-63Hz                                                                                                                               |               |              |               |
| Output                                 | Voltage | 0~120V                                                                                                                                                        |               | 0~300V       |               |
|                                        | Current | 0~12.5A                                                                                                                                                       | 0~25A         | 0~5A         | 0~10A         |
|                                        | Power   | 0~1500W                                                                                                                                                       | 0~3000W       | 0~1500W      | 0~3000W       |
| Resolution/<br>Accuracy                | Voltage | Resolution 0.001V/0.01V/0.1V, accuracy ≤ 0.4%Umax                                                                                                             |               |              |               |
|                                        | Current | Resolution 0.001A/0.01A, accuracy ≤ 0.5%Imax                                                                                                                  |               |              |               |
| Ripple and Noise<br>20Hz~20MHz         | Vrms    | 80mV                                                                                                                                                          |               | 100mV        |               |
|                                        | Vpp     | 400mV                                                                                                                                                         |               | 500mV        |               |
| Load effect                            | Voltage | Load effect ≤0.1%Umax, source effect ≤0.05%Umax                                                                                                               |               |              |               |
|                                        | Current | Load effect ≤0.2%Imax, source effect ≤0.1%Imax                                                                                                                |               |              |               |
| Transient response time                |         | ≤5ms                                                                                                                                                          |               |              |               |
| Maximum lead voltage drop compensation |         | 10V                                                                                                                                                           |               |              |               |
| Communication function                 |         | RS-232 (standard)/RS485 (optional)                                                                                                                            |               |              |               |
| Protection                             |         | Output short-circuit protection, output overvoltage, internal overheating protection, S-terminal over-compensation protection, S-terminal reversal protection |               |              |               |
| Analog interface(optional)             |         | Start, stop, alarm, 0-5V/0-10V or 4-20mA analog control output                                                                                                |               |              |               |
| Working Environment                    |         | Temperature: 0~40℃; Humidity: 20~90%RH                                                                                                                        |               |              |               |
| Volume W×H×D(mm)                       |         | 440×133×350                                                                                                                                                   |               |              |               |
| Weight                                 |         | 9kg                                                                                                                                                           | 12kg          | 9kg          | 12kg          |

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

## Specifications

| Model                                 |                  | AN5035-170(F)                                                                                                                                                                                                     | AN5035-285(F) | AN5035-570(F) | AN5080-75(F) | AN5080-125(F) | AN5080-250(F) |
|---------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|--------------|---------------|---------------|
| Input                                 | Phase number     | Three-phase                                                                                                                                                                                                       |               |               |              |               |               |
|                                       | Voltage          | 380V±38V                                                                                                                                                                                                          |               |               |              |               |               |
|                                       | Frequency        | 47-63HZ                                                                                                                                                                                                           |               |               |              |               |               |
| Output                                | Voltage          | 0~35V                                                                                                                                                                                                             |               |               | 0~80V        |               |               |
|                                       | Current          | 0~172A                                                                                                                                                                                                            | 0~286A        | 0~572A        | 0~75A        | 0~125A        | 0~250A        |
|                                       | Power            | 0~6KW                                                                                                                                                                                                             | 0~10KW        | 0~20KW        | 0~6KW        | 0~10KW        | 0~20KW        |
| Display mode                          |                  | 5-bit Nixie tube display                                                                                                                                                                                          |               |               |              |               |               |
| Voltage resolution                    |                  | 0.01V (0.1V when ≥ 100V)                                                                                                                                                                                          |               |               |              |               |               |
| Current resolution                    |                  | 0.01A (0.1A when ≥ 100A)                                                                                                                                                                                          |               |               |              |               |               |
| Setting error (programming accuracy)  | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
| Measurement error (readback accuracy) | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
| Ripple and noise 20Hz-20MHz           | V <sub>rms</sub> | 60mV                                                                                                                                                                                                              |               |               |              |               |               |
|                                       | V <sub>pp</sub>  | 500mV                                                                                                                                                                                                             |               |               |              |               |               |
| Load effect                           | Voltage          | ≤0.1%U <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
| Source effect                         | Voltage          | ≤0.05%U <sub>max</sub>                                                                                                                                                                                            |               |               |              |               |               |
|                                       | Current          | ≤0.1%I <sub>max</sub>                                                                                                                                                                                             |               |               |              |               |               |
| Transient response time               |                  | ≤2ms (50%-100%, or 100%-50%, error returns to 0.75% of stable value)                                                                                                                                              |               |               |              |               |               |
| Temperature drift                     | Voltage          | 0.05% setting value                                                                                                                                                                                               |               |               |              |               |               |
|                                       | Current          | 0.05% setting value                                                                                                                                                                                               |               |               |              |               |               |
| Noise                                 |                  | ≤68dB (A)                                                                                                                                                                                                         |               |               |              |               |               |
| Scope of OVP                          |                  | 110%F.S                                                                                                                                                                                                           |               |               |              |               |               |
| Maximum lead drop compensation        |                  | 2V                                                                                                                                                                                                                |               |               |              |               |               |
| Communication function                |                  | RS-232 (standard)/485 (standard)/LAN (standard)                                                                                                                                                                   |               |               |              |               |               |
| Protection functions                  |                  | Short-circuit protection, reverse protection, output overvoltage, current-limiting protection, internal overheating protection, S-terminal over-compensation protection                                           |               |               |              |               |               |
| Analog interface (optional)           |                  | Start, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                           |               |               |              |               |               |
| Efficiency                            |                  | ≥85%                                                                                                                                                                                                              |               |               |              |               |               |
| Operating temperature                 |                  | 0~40℃                                                                                                                                                                                                             |               |               |              |               |               |
| Storage temperature                   |                  | -20~70℃                                                                                                                                                                                                           |               |               |              |               |               |
| Humidity                              |                  | <80%, without condensation                                                                                                                                                                                        |               |               |              |               |               |
| Volume                                |                  | 444*132.5*641mm                                                                                                                                                                                                   |               |               |              |               |               |
| Weight                                |                  | 24kg                                                                                                                                                                                                              | 24kg          | 34kg          | 23.5kg       | 23.5kg        | 33kg          |
| 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±100mV" |               |               |              |               |               |

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

**Specifications**

| Model                                 |                  | AN50120-50(F)                                                                                                                                                                                                   | AN50120-80(F) | AN50120-165(F) | AN50300-20(F) | AN50300-30(F) | AN50300-65(F) |
|---------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|---------------|---------------|---------------|
| Input                                 | Phase number     | Three-phase                                                                                                                                                                                                     |               |                |               |               |               |
|                                       | Voltage          | 380V±38V                                                                                                                                                                                                        |               |                |               |               |               |
|                                       | Frequency        | 47-63HZ                                                                                                                                                                                                         |               |                |               |               |               |
| Output                                | Voltage          | 0~120V                                                                                                                                                                                                          |               |                | 0~300V        |               |               |
|                                       | Current          | 0~50A                                                                                                                                                                                                           | 0~84A         | 0~167A         | 0~20A         | 0~34A         | 0~67A         |
|                                       | Power            | 0~6KW                                                                                                                                                                                                           | 0~10KW        | 0~20KW         | 0~6KW         | 0~10KW        | 0~20KW        |
| Display mode                          |                  | 5-bit Nixie tube display                                                                                                                                                                                        |               |                |               |               |               |
| Voltage resolution                    |                  | 0.01V (0.1V when ≥ 100V)                                                                                                                                                                                        |               |                |               |               |               |
| Current resolution                    |                  | 0.01A (0.1A when ≥ 100A)                                                                                                                                                                                        |               |                |               |               |               |
| Setting error (programming accuracy)  | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
| Measurement error (readback accuracy) | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
| Ripple and noise 20Hz-20MHz           | V <sub>rms</sub> | 80mV                                                                                                                                                                                                            |               |                |               |               |               |
|                                       | V <sub>pp</sub>  | 500mV                                                                                                                                                                                                           |               |                |               |               |               |
| Load effect                           | Voltage          | ≤0.1%U <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
| Source effect                         | Voltage          | ≤0.05%U <sub>max</sub>                                                                                                                                                                                          |               |                |               |               |               |
|                                       | Current          | ≤0.1%I <sub>max</sub>                                                                                                                                                                                           |               |                |               |               |               |
| Transient response time <sup>2</sup>  |                  | ≤2ms (50%-100%, or 100%-50%, error returns to 0.75% of stable value)                                                                                                                                            |               |                |               |               |               |
| Temperature drift                     | Voltage          | 0.05% setting value                                                                                                                                                                                             |               |                |               |               |               |
|                                       | Current          | 0.05% setting value                                                                                                                                                                                             |               |                |               |               |               |
| Noise                                 |                  | ≤68dB (A)                                                                                                                                                                                                       |               |                |               |               |               |
| Scope of OVP                          |                  | 110%F.S                                                                                                                                                                                                         |               |                |               |               |               |
| Maximum lead drop compensation        |                  | 10V                                                                                                                                                                                                             |               |                |               |               |               |
| Communication function                |                  | RS-232 (standard)/485 (standard)/LAN (standard)                                                                                                                                                                 |               |                |               |               |               |
| Protection functions                  |                  | Short-circuit protection, reverse protection, output overvoltage, current-limiting protection, internal overheating protection, S-terminal over-compensation protection                                         |               |                |               |               |               |
| Analog interface (optional)           |                  | Start, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                         |               |                |               |               |               |
| Efficiency                            |                  | ≥85%                                                                                                                                                                                                            |               |                |               |               |               |
| Operating temperature                 |                  | 0~40℃                                                                                                                                                                                                           |               |                |               |               |               |
| Storage temperature                   |                  | -20~70℃                                                                                                                                                                                                         |               |                |               |               |               |
| Humidity                              |                  | <80%, without condensation                                                                                                                                                                                      |               |                |               |               |               |
| Volume                                |                  | 444*132.5*641mm                                                                                                                                                                                                 |               |                |               |               |               |
| Weight                                |                  | 22kg                                                                                                                                                                                                            | 22kg          | 30kg           | 22kg          | 22kg          | 30kg          |
| 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±100mV" |               |                |               |               |               |

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

## Specifications

| Model                                 |                  | AN50600-10(F)                                                                                                                                                                                                   | AN50600-17(F) | AN50600-30(F) | AN50700-9(F) | AN50700-14(F) | AN50700-29(F) |
|---------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|--------------|---------------|---------------|
| Input                                 | Phase number     | Three-phase                                                                                                                                                                                                     |               |               |              |               |               |
|                                       | Voltage          | 380V±38V                                                                                                                                                                                                        |               |               |              |               |               |
|                                       | Frequency        | 47-63HZ                                                                                                                                                                                                         |               |               |              |               |               |
| Output                                | Voltage          | 0~600V                                                                                                                                                                                                          |               |               | 0~700V       |               |               |
|                                       | Current          | 0~10A                                                                                                                                                                                                           | 0~17A         | 0~34A         | 0~9A         | 0~14.5A       | 0~29A         |
|                                       | Power            | 0~6KW                                                                                                                                                                                                           | 0~10KW        | 0~20KW        | 0~6KW        | 0~10KW        | 0~20KW        |
| Display mode                          |                  | 5-bit Nixie tube display                                                                                                                                                                                        |               |               |              |               |               |
| Voltage resolution                    |                  | 0.01V (0.1V when ≥ 100V)                                                                                                                                                                                        |               |               |              |               |               |
| Current resolution                    |                  | 0.01A (0.1A when ≥ 100A)                                                                                                                                                                                        |               |               |              |               |               |
| Setting error (programming accuracy)  | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
| Measurement error (readback accuracy) | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
| Ripple and noise 20Hz-20MHz           | V <sub>rms</sub> | 200mV                                                                                                                                                                                                           |               |               |              |               |               |
|                                       | V <sub>pp</sub>  | 1000mV                                                                                                                                                                                                          |               |               |              |               |               |
| Load effect                           | Voltage          | ≤0.1%U <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
| Source effect                         | Voltage          | ≤0.05%U <sub>max</sub>                                                                                                                                                                                          |               |               |              |               |               |
|                                       | Current          | ≤0.1%I <sub>max</sub>                                                                                                                                                                                           |               |               |              |               |               |
| Transient response time <sup>2</sup>  |                  | ≤2ms (50%-100%, or 100%-50%, error returns to 0.75% of stable value)                                                                                                                                            |               |               |              |               |               |
| Temperature drift                     | Voltage          | 0.05% setting value                                                                                                                                                                                             |               |               |              |               |               |
|                                       | Current          | 0.05% setting value                                                                                                                                                                                             |               |               |              |               |               |
| Noise                                 |                  | ≤68dB (A)                                                                                                                                                                                                       |               |               |              |               |               |
| Scope of OVP                          |                  | 110%F.S                                                                                                                                                                                                         |               |               |              |               |               |
| Maximum lead drop compensation        |                  | 10V                                                                                                                                                                                                             |               |               |              |               |               |
| Communication function                |                  | RS-232 (standard)/485 (standard)/LAN (standard)                                                                                                                                                                 |               |               |              |               |               |
| Protection functions                  |                  | Short-circuit protection, reverse protection, output overvoltage, current-limiting protection, internal overheating protection, S-terminal over-compensation protection                                         |               |               |              |               |               |
| Analog interface (optional)           |                  | Start, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                         |               |               |              |               |               |
| Efficiency                            |                  | ≥85%                                                                                                                                                                                                            |               |               |              |               |               |
| Operating temperature                 |                  | 0~40℃                                                                                                                                                                                                           |               |               |              |               |               |
| Storage temperature                   |                  | -20~70℃                                                                                                                                                                                                         |               |               |              |               |               |
| Humidity                              |                  | <80%, without condensation                                                                                                                                                                                      |               |               |              |               |               |
| Volume                                |                  | 444*132.5*641mm                                                                                                                                                                                                 |               |               |              |               |               |
| Weight                                |                  | 21kg                                                                                                                                                                                                            | 21kg          | 28.5kg        | 21kg         | 21kg          | 28.5kg        |
| 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±100mV" |               |               |              |               |               |

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

**Specifications**

| Model                                 |                  | AN501200-17(F)                                                                                                                                                                                                    | AN501400-14(F) |
|---------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Input                                 | Phase number     | Three-phase                                                                                                                                                                                                       |                |
|                                       | Voltage          | 380V±38V                                                                                                                                                                                                          |                |
|                                       | Frequency        | 47-63HZ                                                                                                                                                                                                           |                |
| Output                                | Voltage          | 0 ~ 1200V                                                                                                                                                                                                         | 0 ~ 1400V      |
|                                       | Current          | 17A                                                                                                                                                                                                               | 14.5A          |
|                                       | Power            | 0 ~ 20KW                                                                                                                                                                                                          | 0 ~ 20KW       |
| Display mode                          |                  | 5-bit Nixie tube display                                                                                                                                                                                          |                |
| Voltage resolution                    |                  | 0.01V (0.1V when ≥ 100V)                                                                                                                                                                                          |                |
| Current resolution                    |                  | 0.01A (0.1A when ≥ 100A)                                                                                                                                                                                          |                |
| Setting error (programming accuracy)  | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                             |                |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |                |
| Measurement error (readback accuracy) | Voltage          | ≤0.2%U <sub>max</sub>                                                                                                                                                                                             |                |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |                |
| Ripple and noise 20Hz-20MHz           | V <sub>rms</sub> | 400mV                                                                                                                                                                                                             |                |
|                                       | V <sub>pp</sub>  | 2000mV                                                                                                                                                                                                            |                |
| Load effect                           | Voltage          | ≤0.1%U <sub>max</sub>                                                                                                                                                                                             |                |
|                                       | Current          | ≤0.2%I <sub>max</sub>                                                                                                                                                                                             |                |
| Source effect                         | Voltage          | ≤0.05%U <sub>max</sub>                                                                                                                                                                                            |                |
|                                       | Current          | ≤0.1%I <sub>max</sub>                                                                                                                                                                                             |                |
| Transient response time               |                  | ≤2ms (50%-100%, or 100%-50%, error returns to 0.75% of stable value)                                                                                                                                              |                |
| Temperature drift                     | Voltage          | 0.05% setting value                                                                                                                                                                                               |                |
|                                       | Current          | 0.05% setting value                                                                                                                                                                                               |                |
| Noise                                 |                  | ≤68dB (A)                                                                                                                                                                                                         |                |
| Scope of OVP                          |                  | 110%F.S                                                                                                                                                                                                           |                |
| Maximum lead drop compensation        |                  | 28.5V                                                                                                                                                                                                             |                |
| Communication function                |                  | RS-232 (standard)/485 (standard)/LAN (standard)                                                                                                                                                                   |                |
| Protection functions                  |                  | Short-circuit protection, reverse protection, output overvoltage, current-limiting protection, internal overheating protection, S-terminal over-compensation protection                                           |                |
| Analog interface (optional)           |                  | Start, stop, alarm, 0-5V or 0-10V analog control output                                                                                                                                                           |                |
| Efficiency                            |                  | ≥85%                                                                                                                                                                                                              |                |
| Operating temperature                 |                  | 0~40℃                                                                                                                                                                                                             |                |
| Storage temperature                   |                  | -20~70℃                                                                                                                                                                                                           |                |
| Humidity                              |                  | <80%, without condensation                                                                                                                                                                                        |                |
| Dimensions(W×H×D mm)                  |                  | 444*132.5*641                                                                                                                                                                                                     |                |
| Weight                                |                  | 28.5kg                                                                                                                                                                                                            | 28.5kg         |
| 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±100mV" |                |

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