

# DC Power Supply

## MPS-100 Series



optional RS-232  USB

### Applications

- Production line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

### Features

- Voltage 1mV current 0.1mA resolution, high precision display
- Voltage compensation function to ensure high accuracy
- Digital keypad and knob two ways to set the voltage and current
- Nine sets of voltage and current storage function, convenient and quick
- Output switch control, easy to control
- Input voltage 110V/220V switch, universal
- Voltage remote compensation function to ensure accuracy
- Intelligent temperature control fan, extremely practical
- Knob using code switch, easy to use, with anti error adjustment function

| Model                         |         | MPS-100            | MPS-101            |
|-------------------------------|---------|--------------------|--------------------|
| Rated output voltage          |         | 0~30V              | 0~60V              |
| Rated output current          |         | 0~5A               | 0~3A               |
| Rated output power            |         | 150W               | 180W               |
| Load regulation rate          | Voltage | 0.05%+8mV          | 0.05%+5mV          |
|                               | Current | 0.1%+5mA           | 0.1%+5mA           |
| Power regulation rate         | Voltage | 0.05%+8mV          | 0.05%+5mV          |
|                               | Current | 0.1%+5mA           | 0.1%+5mA           |
| Setting resolution            | Voltage | 1mV                | 1mV                |
|                               | Current | 0.1mA              | 0.1mA              |
| Read back resolution          | Voltage | 1mV                | 1mV                |
|                               | Current | 0.1mA              | 0.1mA              |
| Setting accuracy (25°C±5°C)   | Voltage | ≤0.1%+2bit         | ≤0.1%+2bit         |
|                               | Current | ≤0.2%+3bit         | ≤0.2%+3bit         |
| Read back accuracy (25°C±5°C) | Voltage | ≤0.1%+2bit         | ≤0.1%+2bit         |
|                               | Current | ≤0.2%+3bit         | ≤0.2%+3bit         |
| Ripple and noise (25°C±5°C)   | Voltage | 1.5mVrms           | 2mVrms             |
|                               | Current | 3mA <sub>rms</sub> | 3mA <sub>rms</sub> |
| temperature coefficient       | Voltage | 300ppm             | 300ppm             |
|                               | Current | 300ppm             | 300ppm             |
| Machine size (W*H*D)          | mm      | 215*95*300         | 215*95*300         |
| Packing size (W*H*D)          | mm      | 310*200*420        | 310*200*420        |
| Net weight                    | kg      | 6.7                | 7.2                |
| Gross weight                  | kg      | 7.8                | 8.3                |