

High-Power DC Power Supply

MPS-1800S Series



Standard RS-232 RS-485 SENSE

Optional Analog signal interface

Features

- Simultaneous five digit display of voltage and current, precise and easy to use
- Adopting PWM modulation and high gain amplification circuit design, stable and reliable
- The panel has preset buttons that can preset voltage and current values
- Complete protection functions: OVP, OCP, OTP, Short circuit protection
- Key lock function
- Key components are imported to ensure long-term full load operation
- Remote voltage compensation function ensures usage accuracy

| Model | Voltage | Current | Power |
|--------------------------------------|---|-------------------|-------|
| MPS-1800S-30-60 | 0-30.000V | 0-60.000A | 1800W |
| MPS-1800S-60-30 | 0-60.000V | 0-30.000A | 1800W |
| MPS-1800S-100-18 | 0-100.00V | 0-18.000A | 1800W |
| MPS-1800S-150-12 | 0-150.00V | 0-12.000A | 1800W |
| MPS-1800S-200-9 | 0-200.00V | 0-9.0000A | 1800W |
| MPS-1800S-300-6 | 0-300.00V | 0-6.0000A | 1800W |
| AC input | Single phase | AC220V±10%, 50Hz | |
| DC output | Output voltage | 0V - rating | |
| | Output current | 0A - rating | |
| | Output power | 0W - rating | |
| Load regulation | Voltage | ≤0.1%F.S+0.1%F.S | |
| | Current | ≤0.1%F.S+0.1%F.S | |
| Setting value accuracy | Voltage | ≤0.1%F.S+0.1%F.S | |
| | Current | ≤0.1%F.S+0.1%F.S | |
| Readback value accuracy | Voltage | ≤0.1%F.S+0.1%F.S | |
| | Current | ≤0.1%F.S+0.1%F.S | |
| Ripple(20Hz-20MHz) | Voltage | Vrms≤0.2%F.S+50mV | |
| Dynamic response time(10% -90% load) | ≤5mS | | |
| Display method | 4 and a half digit meter (LED digital tube display) | | |
| Display resolution | Voltage0.001V/0.01V/0.1V,Current0.001A/0.01A/0.1A | | |
| Interface | RS232/RS485 | | |
| Functional protection | OVP, OCP, OTP, Short circuit protection | | |
| Heat dissipation method | Adopting PWM speed regulating fan, air-cooled | | |
| Operating environment | Temperature 0 °C -40 °C; Humidity 10% -85% RH | | |
| Environment | Temperature -20 °C -70 °C; Humidity 10% -90% RH | | |
| Size (mm) | 215×360×88 (W*D*H mm) | | |
| Weight (kg) | 5.5KG | | |
| Note | The power cord and output cables are optional | | |