

Single Output High Power Switching DC Power Supply



NEW

► Introduction

The MPS series are high power output DC power supply with output range up to 5kW. The MPS series can be made according to customer request, with output voltage up to 400V and output current up to 150A. Over Voltage Protection, Over Current Protection, Over Temperature Protection and Over Power Protection keep the MPS series and their load safe from unexpected conditions. High Accuracy, high stability and low ripple & noise make the MPS series an ideal solution for various industrial applications.

► Features

- ✓ Max. output power ranging from 100W to 5kW
- ✓ Max. output voltage 400V, Max. output current 150A
- ✓ Applying advanced PWM control technology
- ✓ Compact design and light weight (5~11kg)
- ✓ Constant voltage (CV) and constant current (CC) operations
- ✓ Auto CV/CC switch
- ✓ Coarse and Fine control for voltage and current
- ✓ Multiple protections: OVP, OCP, OTP and OPP
- ✓ Adjustable OVP & OCP range, OPP fixed 110% of Max. power
- ✓ Intelligent temperature control cooling fan
- ✓ Optional Remote Voltage and Current Control
- ✓ Optional Remote Sensing function
- ✓ Customized specifications and functions acceptable

Output capacity	100W–5kW
Working mode	PWM
Output	
Output voltage	DC 0–100% full range adjustable
Output current	DC 0–100% full range adjustable
OVP range	DC 0–100% of rated output
OCP range	DC 0–100% of rated output
Line regulation	CV \leq 0.2% reading+2 digits CC \leq 0.5% reading+2 digits
Load regulation	\leq 0.5% reading+2 digits
Ripple & Noise	\leq 1% RMS
Display	
Voltmeter	3 1/2 digits LED display
Ammeter	3 1/2 digits LED display
Resolution	100mV/10mA
Accuracy	\pm (1% reading \pm 1 digit)
Optional functions	
Remote sensing	
DC 10–0V remote voltage control	
DC 0–10V remote current control	
Remote ON/OFF control	Short circuit to control OFF; Open circuit to control ON
Display meter	4 1/2 digits LED display
General	
Protection	Over voltage, over current, over temperature and over power protections
Power source	AC110V or 220V \pm 10%, 50/60Hz
Input module	Power socket or terminal block
Operating environment	0°C–40°C, <80%RH
Storage environment	-10°C–70°C, <80%RH
Dimension	260 \times 160 \times 380mm

Recommended Models For High Power DC Power Supply

Model	Output Voltage	Output Current	Output Capacity	Input Module	Weight (kg)
MP-3040	0–30V	0–40A	1200W	Power socket	5.6
MP-3060	0–30V	0–60A	1800W	Power socket	5.6
MP-3080	0–30V	0–80A	2400W	Terminal block	11
MP-30100	0–30V	0–100A	3000W	Terminal block	11
MP-30150	0–30V	0–150A	4500W	Terminal block	11
MP-6020	0–60V	0–20A	1200W	Power socket	5.6
MP-6030	0–60V	0–30A	1800W	Power socket	5.6
MP-6050	0–60V	0–50A	3000W	Terminal block	11
MP-6080	0–60V	0–80A	4800W	Terminal block	11
MP-1H30	0–100V	0–30A	3000W	Terminal block	11
MP-12010	0–120V	0–10A	1200W	Power socket	5.6
MP-15030	0–150V	0–30A	4500W	Terminal block	11
MP-2H10	0–200V	0–10A	2000W	Power socket	5.6
MP-3H5	0–300V	0–5A	1500W	Power socket	5.6
MP-4H5	0–400V	0–5A	2000W	Power socket	5.6