

High-Power DC Power Supply

MPS-1800S Series

EmailSupport: service@szmatrix.com



Standard RS-232 RS-485 SENSE

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

Link to download the user manual: <https://wendy4197.github.io/MATRIX/MPS-S-UserManual.pdf>

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		