

High-Power DC Power Supply

MPS-7500S Series



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-7500S-30-250	0-30.000V	0-250.00A	7500W
MPS-7500S-60-125	0-60.000V	0-125.00A	7500W
MPS-7500S-100-75	0-100.00V	0-75.000A	7500W
MPS-7500S-150-50	0-150.00V	0-50.000A	7500W
MPS-7500S-200-36	0-200.00V	0-36.000A	7200W
MPS-7500S-300-25	0-300.00V	0-25.000A	7500W
MPS-7500S-600-12	0-600.00V	0-12.000A	7200W
MPS-7500S-1500-5	0-1500.0V	0-5.0000A	7500W
AC input	Three-phase	AC380V±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)	430×500×88 (W*D*H mm)		
Weight (kg)	16KG		
Note	The power cord and output cables are optional		