

Single-channel Linear DC Power Supply

MPS-D+ Series



- Voltage and current presetting function makes it easier to operate;
- It adopts new single-chip technology to control, with high integration, simple circuit and low failure rate.
- Output on/off function;
- Smart fan makes your working environment more quiet;
- Using high-precision low-temperature drift manganese copper wire for current sampling to ensure high-precision low-temperature drift.
- OTP function protects the machine more comprehensively.
- MPS-6003D+/6005D+ have short-circuit protection function (output off when short-circuit, and restored after turning off for 2S).

MPS-D+ Series

DC Power Supply

Model		MPS-3003D+	MPS-3005D+	MPS-3010D+	MPS-6003D+	MPS-6005D+
Input feature						
Input voltage		AC 220V/110V±10% 50Hz/60Hz				
Fuse	220V AC	3.15A	5A	8A	5A	8A
	110V AC	5A	8A	12A	8A	12A
MAX.Input power		165W	275W	520W	325 W	520W
Rated output	Voltage	0-30V	0-30V	0-30V	0-60V	0-60V
	Current	0-3A	0-5A	0-10A	0-3A	0-5A
Load regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Power regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Display resolution		100mV/10mA				
Display accuracy		≤0.2%+2 digits(Environment temperature: 23°C±5°C)				
Ripple	Voltage	≤2mVrms	≤2mVrms	≤3mVrms	≤2mVrms	≤2mVrms
	Current	5mArms	5mArms	10mArms	5mArms	5mArms
Temperature coefficient		300ppm/°C				
Max. output voltage		31.5V±0.5V	31.5V±0.5V	31.5V±0.5V	61.5V±0.5V	61.5V±0.5V
Max. output current		3.15A±0.05A	5.20A±0.05A	10.1A±0.05A	3.15A±0.05A	5.20A±0.05A
Working condition		Temperature 0°C ~40 °CRelative humidity < 80%				
Storage condition		Temperature -15°C~70 °CRelative humidity < 80%				
Cooling method		Smart air cooling				
Size (WxHxD)	Net weight	280mm*130mm*160mm				
	Gross weight	4.9Kg	5.7Kg	7.0Kg	5.7Kg	7.0Kg
Weight		5.6Kg	6.4Kg	7.7Kg	6.4Kg	7.7Kg