Single Channel DC Linear Power Supply

MPS-D+ Series

- Current pre-set without short circuit, namly can set the max output current directly
- Smart fan reduce the working noise
- Spec:30V/3A, 30V/5A, 60V/3A, 30V/10A, 60V/5A, 15V/10A,15V/15A
- OTP over temperature protection, more comprehensive protection;

- Output on/off function
- Fine/coarse tuning
- Input voltage 110V/220V switchable
- The smallest 300W(60V/5A,30V/10A) linear adjustable power supply in industry

Model		MPS-3003D+	MPS-3005D+	MPS-3010D+	MPS-6003D+	MPS-6005D+	MPS-1510D+	MPS-1515D+
Rated input voltage		AC220V/110V±10%						
Rated output	Voltage	0-30V	0-30V	0-30V	0-60V	0-60V	0-15V	0-15V
	Current	0-3A	0-5A	0-10A	0-3A	0-5A	0-10A	0-15A
	Power	90W	150W	300W	180W	300W	150W	225W
Load regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Line regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Display resolution	Voltage	100mV						
	Current	< 10A:10mA , > 10A:100mA						
Display accuracy		≤0.2%+2 digits(Environment temperature: 23℃±5℃)						
Ripple	Voltage	≤2mVrms	≤2mVrms	≤3mVrms	≤2mVrms	≤2mVrms	≤2mVrms	≤2mVrms
	Current	5mArms	5mArms	10mArms	5mArms	5mArms	10mArms	10mArms
Temperature Coefficient		300ppm/℃						
Max. output voltage		31.5V±0.5V	31.5V±0.5V	31.5V±0.5V	61.5V±0.5V	61.5V±0.5V	15.5V±0.5V	15.5V±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	10.1A±0.05A	15.1A±0.05A
Input voltage		AC 220V/110V±10% 50Hz/60Hz						
Working condition		Temperature 0℃ ~40 ℃Relative humidity < 80%						
Storage condition		Temperature -15℃~70 ℃Relative humidity < 80%						
Cooling method		Smart air cooling						
Size (WxHxD)	mm	280*130*160						320*130*160
Net weight	kg	4.9	5.7	7.0	5.7	7.0	5.7	8.4
Gross weight	kg	5.6	6.4	7.7	6.4	7.7	6.4	8.1