

DC Power Supply

MPS-100 Series



optional RS-232 RS-485

Applications

- Prouduction line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Features

- Voltage compensation function to ensure high accuracy
- Nine sets of voltage and current storage function, convenient and quick
- Intelligent temperature control fan, extremely practical
- It can save the output status and value before the last shutdown
- The adjustable range of current and voltage can be set
- Restore factory settings with one click
- Adjustable screen brightness
- LIST output editing function

Model		MPS-100	MPS-100C	MPS-101	MPS-101C
Rated input voltage		AC220V±10% or 110V±10%			
Rated output voltage		0~30V		0~60V	
Rated output current		0~5A		0~3A	
Rated output power		150W		180W	
Load regulation rate	Voltage	0.05%+8mV		0.05%+5mV	
	Current	0.1%+5mA		0.1%+5mA	
Power regulation rate	Voltage	0.05%+8mV		0.05%+8mV	
	Current	0.1%+5mA		0.1%+5mA	
Setting resolution	Voltage	1mV		1mV	
	Current	0.1mA		0.1mA	
Read back resolution	Voltage	1mV		1mV	
	Current	0.1mA		0.1mA	
Settingaccuracy (25°C±5°C)	Voltage	≤0.1%+8mV		≤0.1%+8mV	
	Current	≤0.2%+2mA		≤0.2%+2mA	
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+8mV		≤0.1%+8mV	
	Current	≤0.2%+2mA		≤0.2%+2mA	
Ripple and noise (25°C±5°C)	Voltage	<5mVrms		<5mVrms	
	Current	<3mAms		<3mAms	
temperature coefficient	Voltage	0 to 40°C≤85 R.H.		0 to 40°C≤85 R.H.	
	Current	-15 to 70°C≤85 R.H.		-15 to 70°C≤85 R.H.	
Machine size (W*H*D)	mm	185*105*295		185*105*295	
Net weight	kg	4.5Kg		4.5Kg	
Standard interface		RS-232+RS-485		RS-232+RS-485	

Single Channel Linear DC 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°C±5°C)						
Ripple	Voltage	≤2mVrms	≤2mVrms	≤3mVrms	≤2mVrms	≤2mVrms	≤2mVrms	≤2mVrms
	Current	5mAms	5mAms	10mAms	5mAms	5mAms	10mAms	10mAms
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	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°C ~40 °CRelative humidity < 80%						
Storage condition		Temperature -15°C~70 °CRelative 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
	kg	5.6	6.4	7.7	6.4	7.7	6.4	8.1