

Single Channel Adjustable DC Power Supply (LED)

MPS-3010L-1
MPS-3003LK-2
MPS-3005LK-2
MPS-6003LK-2



Description of products:

Main features: (MPS-3010L-1)

- High efficient toroidal transformer
- Two digital panel meters
- Overload and reverse polarity protection
- Constant Voltage ,Constant Current, low ripple noise ,low temperature drift
- Pre-set current limited point

Main features: (MPS-3003LK-2 / MPS-3005LK-2 / MPS-6003LK-2)

- Two digital panel meters
- Constant voltage and constant current operation
- High efficient ,light and compact design
- High power density
- Output switch off function (output standby)
- Overload and reverse polarity protection
- 5V/1A fixed output

Technical parameter:

MODEL	MPS-3010L-1	MPS-3003LK-2	MPS-3005LK-2	MPS-6003LK-2
OUTPUT VOLTAGE (CV)	0~30V	0~30V, 5V (FIXED)	0~30V, 5V (FIXED)	0~60V, 5V (FIXED)
OUTPUT CURRENT (CC)	0~10A	0~3A, 1A (FIXED)	0~5A, 1A (FIXED)	0~3A, 1A (FIXED)
RIPPLE REJECTION	1 mVrms	0.3 mVrms	0.5 mVrms	0.6 mVrms
LINE REGULATION	≤0.01%+5mV	≤0.005%+2mV	≤0.01%+2mV	≤0.02%+2mV
LOAD REGULATION	≤0.01%+5mV	≤0.005%+2mV	≤0.01%+2mV	≤0.02%+2mV
VOLTAGE RESOLUTION	0.1V	0.1V	0.1V	0.1V
CURRENT RESOLUTION	0.01A	0.01A	0.01A	0.01A
5V / 1A FIX OUTPUT VOLT ACCURACY	N/A	±1%	±1%	±1%
5V / 1A FIX OUTPUT RIPPLE	N/A	≤2mVrms	≤2mVrms	≤2mVrms
TRANSIENT RECOVERY TIME	100μS (50%LOAD CHARGE,MINIMUM LOAD 0.5A)			
DISPLAYE VOLTAGE	3 ½ DIGITAL RANGE DIGITAL DISPLAY			
R CURRENT	3 ½ DIGITAL RANGE DIGITAL DISPLAY			
OPERATING ENVIRONMENT	0~40℃ ,80%R.H.			
AC POWER SOURCE	AC 110/220V ± 10% , 50/60Hz (CUSTOMER MODE)			
ACCESSORIES	INPUT POWER CORD, MANUAL , OUTPUT CABLE			
DIMENSION (W*D*H mm)	345×245×140	310×130×165	130×330×165	130×330×165
WEIGHT (KG)	10	5.6	7.2	7.5

Multi- Channel Adjustable DC Power Supply (LED)

MPS-3003L-3

MPS-3005L-3

30V, 2/3/5A



Description of products :

- Multi tune potentiometers, easy to setup voltage.
- High efficient toroidal transformer
- Dual color four LED digital panel meters voltage and current display
- 0~30V, 0-2A/3A/5A dual channel adjustable and one fixed 5V/3A output
- Overload protection
- Constant Voltage ,Constant Current, low ripple noise ,low temperature drift
- Preset current limited point
- In tracking mode, both outputs are automatically connected in series or parallel without extra cables
- In series mode, machine can be connected as positive and negative

Technical parameter

	MODEL	MPS-3003L-3	MPS-3005L-3
OUTPUT VOLTAGE (CV)		0~30V DUAL, 5V (FIXED)	0~30V DUAL, 5V (FIXED)
OUTPUT CURRENT (CC)		0~3A DUAL, 3A (FIXED)	0~5A DUAL, 3A (FIXED)
	INDEPENDENT	TWO INDEPENDENT OUTPUTS AND 5V FIXED OUTPUT	
OPERATION MODE	SERIES	ONE 0~60V,0~3A OUTPUT AND 5V FIXED OUTPUT	ONE 0~60V,0~5A OUTPUT AND 5V FIXED OUTPUT
	PARALLEL	ONE 0~30V,0~6A OUTPUT AND 3A FIXED OUTPUT	ONE 0~30V,0~10A OUTPUT AND 3A FIXED OUTPUT
	REGULATION	LINE REGULATION : LESS THAN 5mV LOAD REGULATION : LESS THAN 10mV	
5V FIXED OUTPUT	RIPPLE & NOISE VOLTAGE ACCURACY	2mVrms 5V ± 0.25V	
	OUTPUT CURRENT	3A	
TRACKING OPERATION	TRACKING ERROR SERIES REGULATION	LESS THAN 0.5% + 10mA OF THE MASTER LESS THAN 300mA	
RIPPLE REJECTION		± 1mVrms (5Hz-1MHz)	± 2mVrms (5Hz-1MHz)
LINE REGULATION		± 0.01%+3mV	± 0.01%+3 mV
LOAD REGULATION		± 0.01%+3 mV mV	± 0.02%+5 mV
VOLTAGE RESOLUTION		0.1V	0.1V
CURRENT RESOLUTION		0.01A	0.01A
TRANSIENT RECOVERY TIME		100 μs (50%LOAD CHARGE,MINIMUM LOAD 0.5A)	
DISPLAYER	VOLTAGE CURRENT	3½ DIGITAL AUTO RANGE DIGITAL DISPLAY 3 ½ DIGITAL AUTO RANGE DIGITAL DISPLAY	
OPERATING ENVIRONMENT		0~40°C ,80%R.H.	
AC POWER SOURCE		AC 110/220V ± 10%, 50/60Hz (CUSTOMER MODE)	
ACCESSORIES		INPUT POWER CORD, MANUAL, OUTPUT CABLE	
DIMENSION (W*D*H mm)		245*345*140	
WEIGHT (KG)		8	