

Single Output Linear DC Power Supply

300W/600W Series



100mV
10mA



► Introduction

The MP300W/600W series are linear DC power supplies with 1 channel, 300W/600W output. In constant voltage and current operations, the power supply provides high regulation and low ripple & noise. The output ON/OFF control and coarse/fine control enables safe and easy operation. The MP300W/600W series are widely used in applications of powering operational amplifier, push pull stages, logic circuit and definition systems.

► Features

- ✓ Constant voltage and constant current operations
- ✓ Output ON/OFF control
- ✓ Preset voltage and current (MP-3020/6010)
- ✓ High efficiency, light and compact design
- ✓ High power density
- ✓ Over load and reverse polarity protections
- ✓ Dual-color two digital panel meters

Constant voltage operation		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.02%+5mV	
Ripple & Noise	≤2mVrms	
Temperature co-efficient	≤300ppm/°C	
Recovery time	≤100us (50% load change, minimum load 0.5A)	
Constant current operation		
Line regulation	≤0.2%+3mA	
Load regulation	≤0.2%+10mA	
Temperature co-efficient	≤500ppm/°C	
Display		
Voltmeter	3 digits LED display	
Ammeter	3 digits LED display	
Resolution	100mV/10mA	
Accuracy	Voltage	±(0.5% reading+2 digits)
	Current	±(1% reading+2 digits)
Protection		
Over load and reverse polarity protections		
Additional over temperature protection for MP-3020/6010		
Power source		
AC110V/220V±10% selectable, 50/60Hz		
Operating environment		
0°C~40°C, ≤80%RH		
Storage environment		
-10°C~70°C, ≤70%RH		
Accessories		
Power cord ×1, Operation manual ×1, Test lead ×1		

Single Output Linear DC Power Supply Selection Guide (300W/600W)

Model	MP-3010	MP-6005	MP-3020	MP-6010
Output voltage	0~30V	0~60V	0~30V	0~60V
Output current	0~10A	0~5A	0~20A	0~10A
Fixed output				
Preset V&I			√	√
Output ON/OFF	√	√	√	√
Dimension	260×160×370mm			
Weight	10kg	10kg	14kg	14kg