

Dual Output 600W

Introduction

The TP600W series are linear DC power supplies with 2 channels, 600W output. In constant voltage and current operations, the power supply provides high regulation and low ripple & noise. Auto series and parallel operations double output voltage and current. Automatic cooling fan control give sufficient cooling to the power supply and minimize fan noise. The output ON/OFF control and preset voltage & current function protect the power supply and related loads from unexpected damages. The TP600W series are widely used in applications of powering operational amplifier, push pull stages, logic circuit and definition systems.

Features

- ✓ Two independent adjustable outputs 0~30V/0~10A x2 (TP-30102), 0~60V/0~5A x2 (TP-60052)
- ✓ Constant voltage and constant current operations, auto CV and CC switch
- ✓ Low ripple and noise, low temperature drift
- ✓ Auto Series and Parallel tracking operations
- ✓ Output ON/OFF control
- ✓ **Preset function, setting of voltage and current with output open circuit**
- ✓ High efficiency, high power density
- ✓ Over load and reverse polarity protections
- ✓ Dual-color four digital panel meters

Product photo



TP-30102

Specifications

Constant voltage operation		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)	
Ripple & Noise (5Hz~1MHz)	≤1mVrms (I≤3A); ≤2mVrms (I>3A)	
Constant current operation		
Line regulation	≤0.2%+3mA	
Load regulation	≤0.2%+3mA (I≤3A); ≤0.2%+5mA (I>3A)	
Ripple & Noise	≤3mArms (I≤3A); ≤6mA rms (I>3A)	
Tracking operation		
Parallel	Line regulation	≤0.01%+3mV
	Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)
Series	Line regulation	≤0.01%+5mV
	Load regulation	≤300mV
	Tracking error	≤0.5%+10mV of the master, no load (with load, add load regulation ≤300mV)
Display		
Accuracy	Real voltage and current output: ±(1% reading+2 digits)	
	Preset voltage and current: ±(1%reading+8 digits)	
General		
Insulation	Between base and output terminal: ≥20MΩ/500VDC	
	Between base and AC power cord: ≥300MΩ/500VDC	
Operating environment	0°C~40°C, ≤80%RH	
Storage environment	-10°C~70°C, ≤70%RH	
Power source	AC110V/220V±10%, 50/60Hz	
Accessories	Power cord x1, Operation manual x1	

Selection guide

Model	TP-30102	TP-60052
Output voltage	0~30V x2	0~60V x2
Output current	0~10A x2	0~5A x2
Voltmeter	3 digits LED	3 digits LED
Ammeter	4 digits LED	3 digits LED
Resolution	100mV/10mA	100mV/10mA
Fixed output		
Preset V&I	√	√
Output ON/OFF	√	√
Tracking operation	√	√
Dimension (WxHxD)	255x155x460mm	255x155x460mm
Weight	16kg	16kg

Specifications are subject to change without prior notice.