

TP-30102, TP60052 (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
- ✓ Low ripple and noise, low temperature drift
- ✓ Auto Series and Parallel tracking operations
- ✓ Output ON/OFF control
- ✓ Preset voltage and current
- ✓ 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		$\leq 0.01\% + 3\text{mV}$
Load regulation		$\leq 0.02\% + 5\text{mV}$
Ripple & Noise		$\leq 2\text{mVrms}$
Constant current operation		
Line regulation		$\leq 0.2\% + 3\text{mA}$
Load regulation		$\leq 0.2\% + 5\text{mA}$
Ripple & Noise		$\leq 6\text{mArms}$
Tracking operation		
Parallel	Line regulation	$\leq 0.01\% + 3\text{mV}$
	Load regulation	$\leq 0.02\% + 5\text{mV}$
Series	Line regulation	$\leq 0.01\% + 5\text{mV}$
	Load regulation	$\leq 300\text{mV}$
	Tracking error	$\leq 0.5\% + 10\text{mV}$ of the master, no load (with load, add load regulation $\leq 300\text{mV}$)
Display		
Voltmeter		3 digits LED display
Ammeter		4 digits LED display
Resolution		100mV/10mA
Accuracy		$\pm(1\% \text{ reading} + 2 \text{ digits})$
Protection		Over load and reverse polarity protections
Power source		AC110V, AC220V or AC110V/220V $\pm 10\%$, 50/60Hz
Operating environment		0°C~40°C, $\leq 80\%$ RH
Storage environment		-10°C~70°C, $\leq 70\%$ RH
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
Fixed output		
Preset V&I	√	√
Output ON/OFF	√	√
Tracking operation	√	√
Dimension	260x160x460mm	260x160x460mm
Weight	16kg	16kg