

Single Output 300W/600W

Introduction

The TP300W/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 TP300W/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
- ✓ Auto CV and CC switch
- ✓ Output ON/OFF control
- ✓ Preset function, setting of voltage and current with output open circuit (TP-3020/6010)
- ✓ High efficiency, light and compact design
- ✓ High power density
- ✓ Over load and reverse polarity protections
- ✓ Dual-color two digital panel meters

Product photo

TP-3010



TP-3020



Single Output Linear DC Power Supply



Specifications

Specifications

Model	TP-3010	TP-6005	TP-3020	TP-6010
Constant voltage operation				
Line regulation	≤0.01%+5mV	≤0.01%+5mV	≤0.01%+10mV	≤0.01%+5mV
Load regulation	≤0.02%+5mV	≤0.02%+5mV	≤0.02%+10mV	≤0.02%+5mV
Ripple & Noise (5Hz~1MHz)	≤3mVrms			
Constant current operation				
Line regulation	≤0.2%+3mA			
Load regulation	≤0.2%+3mA (I≤3A)			
	≤0.2%+5mA (I>3A)			
	≤0.2%+15mA (I≥10A)			
Ripple & Noise (5Hz~1MHz)	≤3mA _{rms} (I≤3A) ≤10mA _{rms} (I>3A)			
Display				
Accuracy	Real voltage and current output: ±(1% reading+2 digits)			
	Preset voltage and current: ±(1% reading+8 digits)			
General				
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-3010	TP-6005	TP-3020	TP-6010
Output voltage	0~30V	0~60V	0~30V	0~60V
Output current	0~10A	0~5A	0~20A	0~10A
Voltmeter	3 digits LED	3 digits LED	3 digits LED	3 digits LED
Ammeter	3 digits LED	3 digits LED	3 digits LED	3 digits LED
Resolution	100mV/10mA	100mV/10mA	100mV/100mA	100mV/10mA
Fixed output				
Preset V&I			√	√
Output ON/OFF	√	√	√	√
Dimension (WxHxD)	255x155x370mm		255x155x330mm	
Weight	10kg	10kg	14kg	14kg

Specifications are subject to change without prior notice.

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