

DC Power Supply

Triple-Output Programmable DC Power Supply TPT-T Series

Product description:

TPT-T Series is true 3-channel programmable power supplies with better consistency in 3-channel output voltages/current rate offers for all same, ideal for high-requirement synchronous testing. Core highlight include high precision and wide range voltage resolution 1mV, current resolution 1mA, load regulation $\leq 0.01\%+3\text{mV}$, ripple $\leq 2\text{mVrms}$, ensuring stable output. Supporting series/parallel and synchronous modes, CH1 and CH2 can combine to expand power for stringent testing needs. With 40 groups of parameter storage and timed output (0.1-99999.9s), VFD display clearly shows 3-channel data. Standard RS232/USB communication compatible with SCPI/Modbus facilitates remote control. An intelligent fan controls temperature, suitable for precision electronic R&D and high-end testing systems.



TPT-T Series
(Front & Rear panels)

Features

- ◆ Output voltage: 0~30/60V * 3CH; Output current: 0~3/6A*3CH.
- ◆ All three channels of voltage are continuously adjustable from 0~30V (0~60V), 1 device serves as three.
- ◆ Each channel has an independent output switch for easy control.
- ◆ Supports series, parallel, and synchronous modes; CH1 and CH2 can be combined to expand to higher power.
- ◆ Output terminals on both front and rear panels for convenient use on desktop and in cabinet.

Specifications

Model		TPT-3003X	TPT-3006X	TPT-6003X
Rated Output (0°C ~ 40°C)	Voltage	0 ~ 30V*3CH	0 ~ 30V*3CH	0 ~ 60V*3CH
	Current	0 ~ 3A*3CH	0 ~ 6A*3CH	0 ~ 30A*3CH
	Power	90W/90W/90W	180W/180W/180W	180W/180W/180W
Load Regulation Rate	Voltage	$\leq 0.01\%+3\text{mV}$		
	Current	$\leq 0.01\%+3\text{mA}$		
Power Regulation Rate	Voltage	$\leq 0.01\%+3\text{mV}$		
	Current	$\leq 0.01\%+3\text{mA}$		
Setting Value Resolution	Voltage	1mV		
	Current	1mA		
Readback Resolution	Voltage	1mV		
	Current	1mA		
Setting Value Accuracy	Voltage	$\leq 0.03\%+10\text{mV}$		
	Current	$\leq 0.1\%+5\text{mA}$	$\leq 0.1\%+8\text{mA}$	$\leq 0.1\%+5\text{mA}$
Readback Value Accuracy	Voltage	$\leq 0.03\%+10\text{mV}$		
	Current	$\leq 0.1\%+5\text{mA}$	$\leq 0.1\%+8\text{mA}$	$\leq 0.1\%+5\text{mA}$
Ripple and Noise (20Hz ~ 20MHz)	Voltage	$\leq 2\text{mVrms}$		
	Current	$\leq 5\text{mA rms}$		
Output Temperature Coefficient (0°C~40°C)	Voltage	$\leq 0.03\%+10\text{mV}$		
	Current	$\leq 0.1\%+5\text{mA}$	$\leq 0.1\%+8\text{mA}$	$\leq 0.1\%+5\text{mA}$
Readback Temperature Coefficient (0°C~40°C)	Voltage	$\leq 0.03\%+10\text{mV}$		
	Current	$\leq 0.1\%+5\text{mA}$	$\leq 0.1\%+8\text{mA}$	$\leq 0.1\%+5\text{mA}$
Setting Accuracy in Parallel and Series	Voltage	$\leq 0.02\%+10\text{mV}$		
	Current	$\leq 0.1\%+30\text{mA}$		
Memory	Storage/recall	40 groups		
	Function	Output timer		
Timer	Save/Recall	0.1s ~ 3600s		
	Resolution	0.1s		
Interface		RS-232, USB		
Operating environment		0°C ~ 40°C <80%RH		
Storage environment		-10°C ~ 70°C, <70%RH		
Power Input		AC 220V $\pm 10\%$, 50/60Hz		
Dimension (WxLxD)		255 x 110 x 380 mm.		
Weight		11 kg.	15 kg.	15 kg.

Ordering Informations

TPT-3003T : Triple-output DC Power Supply 30V/3A*3CH

TPT-3006T : Triple-output DC Power Supply 30V/6A*3CH

TPT-6003T : Triple-output DC Power Supply 60V/3A*3CH

Standard Accessories :

- User Manual
- RS-232 cable
- Test Leads
- Power cord