DC Power Supply

5 ~ 180W Multi-channels Programmable Linear DC Power Supply
TPK-Series

Product description:

TPK-Series are programmable linear DC power supplies, 4.3 inch 24-bit true color LCD, 480X272 resolution. Linear design, multi-channel output, support serial and parallel connection between channels. High precision, high stability, low ripple and low noise. Ultra-small volume 1/2 2U. Flexible and convenient setting methods of voltage, current and time (rotary knob or numeric keypad). Screen capture, data record and parameter save functions. The instrument firmware program can be upgraded via USB HOST. Manager interface control. Intelligent temperature control fan, reduce operating noise, over-voltage, over-current, over-temperature protection. For general R&D test and design verification, routine test and maintenance of production line workbench, automatic equipment integration test, photovoltaic simulation test, new energy vehicle simulation test, teaching laboratory.

TPK-Series

Features

- 4.3-inch 24-bit true color LCD, 482x272 resolution, Linear design, multi-channel output
- Support serial/parallel connection between channels
- Powerful programming capabilities, 1000 groups of setting status storage and recall memory
- 20 trigger files, each file can contain up to 1000 test sequences, programmable cycle output
- Timing output: time (0.0~99999.9 seconds)
- Flexible and convenient voltage, current and time setting methods
- Remote compensation function
- Can save the measurement results to a USB flash drive
- Overvoltage, overcurrent and overtemperature protection

Standard Accessories :

- User Manual
- Power cord
- USB cable
- Software CD

Ordering Information

TPK-4303 : 4CH, 30V/3Ax2, 10V/3Ax1, 5V/1Ax1 DC Programable DC Power Supply
TPK-3303 : 3CH, 30V/3Ax2, 6V/5Ax1 DC Programable DC Power Supply
TPK-3306 : 3CH, 30V/3Ax2, 6V/5Ax1 DC Programable DC Power Supply
TPK-3603 : 3CH, 60V/3Ax2, 6V/5Ax1 DC Programable DC Power Supply

Specifications

Model			TPK-4303				TPK-3303			TPK-3306			TPK-3603		
Rate Output	Channel		CH 1	CH2	CH3	CH4	CH 1	CH2	CH3	CH 1	CH2	CH3	CH 1	CH2	CH3
	Voltage		0~30V	0~30V	0~10V	0~5V	0~30V	0~30V	0~6V	0~30V	0~30V	0~6V	0~60V	0~60V	0~6V
	Current		0~3A	0~3A	0~3A	0~1A	0~3A	0~3A	0~5A	0~6A	0~6A	0~5A	0~3A	0~3A	0~5A
	Power		90W	90W	30W	5W	90W	90W	30W	180W	180W	30W	180W	180W	30W
Line Regulation	Voltage		≤0.01%+3mV												
	Current		≤0.1%+3mA												
Power Regulation	Voltage		≤0.01%+3mV												
	Current		≤0.1%+3mA												
Programming Resolution	Voltage		1mV												
	Current		0.1mA												
Readback Resolution	Voltage		1mV												
	Current		0.1mA												
Annual Accurancy (25±5°C)	Programming	Voltage	≤0.03%+ 10mV												
		Current	≤0.1%+ 5mA												
	Readback	Voltage	≤0.03%+ 10mV												
		Current	≤0.1%+ 5mA												
Ripple & Noise (20Hz ~ 2MHz)	Voltage (pp)		≤3mVp-p				≤4mVp-p								
	Voltage (rms)		≤1mVrms												
	Current		≤3mArms				≤5mArms			≤3mArms			≤5mArms		
Series Synchronization Error			≤0.2%+ 10mA				≤0.05%+ 10mA			≤0.2%+ 10mA			≤0.05%+ 10mA		
Parallel Setpoint Accuracy	Voltage		≤0.2%+ 10mA				≤0.02%+ 5mV						≤0.02%+ 10mV		
	Current		≤0.2%+ 20mA				≤0.1%+ 20mA			≤0.2%+ 30mA			≤0.1%+ 30mA		
Transient Response (50%-100% Load) Recovery Time to Within 75mV			≤50μs												
Memory			40 sets of setting files/channel												
Timer			Function: Timing output off, time setting: 0.1s ~ 99999.9s, resolution : 0.1s												
Interface			Standard : RS232/RS485, USB HOST, USD DEVICE Optional : GPIB, LAN, HANDER												
Power Supply			AC 220V±10%, 50/60Hz, <50VA power consumption												
Operating Environment			0°C ~ 40°C, ≤90%RH												
Dimension (WxHxD)			218x88x400 mm.												
Weight			8kg												