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Programmable Multiple Output DC Power Supplies



Product No : TP3300U__Series

Product Description

The TP3300 series programmable DC power supply are light weight, adjustable, multi-functional work stations. They have three independent outputs: two with adjustable voltage level and one with fixed level selectable from 2.5V, 3.3V and 5V. The power supply can be used for logic circuits where various output voltage or current are needed, and for tracking mode definition systems where positive and negative voltages with good accuracy are required.

- ★ Two independent adjustable outputs 0~30V/0~3A.5A x2, 0~30V/0~3Ax2
- ★ One selectable output 2.5V/3.3V/5V/3A
- ★ Constant voltage and constant current operations
- ★ Digital panel control, Coarse/Fine volume control for voltage and current
- ★ 4 sets panel settings save & recall
- ★ Panel lock and output ON/OFF function
- ★ Preset voltage and current
- ★ Auto Series and Parallel tracking operations
- ★ Intelligent cooling fan control
- ★ USB interface for PC control
- ★ Support Labview

Model		TP-3303U	TP-3305U
Output		0~30V/0~3A x2, fixed 2.5/3.3/5V3A x1	0~30V/0~5A x2, fixed 2.5/3.3/5V3A x1
Constant voltage operation			
Line regulation		≤0.01%+3mV	
Load regulation		≤0.01%+3mV	≤0.02%+5mV
Ripple&Noise		≤1mVrms(5Hz~1MHz);	≤2mVrms(5Hz~1MHz)
Recovery time		≤100μs (50% load change, minimum load 0.5A)	
Constant current operation			
Line regulation		≤0.2%+3mA	
Load regulation		≤0.2%+3mA	≤0.2%+5mA
Ripple&Noise		≤3mArms	≤6mArms
Tracking operation			
Parallel	Line regulation	≤0.01%+3mV	
	Load regulation	≤0.01%+5mV (I≤3A); ≤0.02%+10mV (I>3A)	
Serial	Line regulation	≤0.01%+5mV	
	Load regulation	≤300mV	
	Tracking error	≤0.5%+50mV (No load; with load, add load regulation ≤300mV)	
CH3 output			
Output voltage		2.5V, 3.3V, 5V (selectable), ±8%	
Output current		3A	
Line regulation		≤25mV	
Load regulation		≤25mV	
Ripple&Noise		≤2mVrms	
Protection		Over load and reverse polarity protections	
Display			
Voltmeter		32V full scale,LED display	
Ammeter		3.2A full scale,LED display	
Setting accuracy	Voltage	±(0.5%+2d)	
	Current	±(0.5%+2d)	±(0.5%+5d)
Reading accuracy	Voltage	±(0.5%+2d)	
	Current	±(0.5%+3d)	±(0.5%+5d)
Protection		Over load, voltage limit, current limit and reverse polarity	

	protections
Insulation	Between base and output terminal $\geq 20\text{M}\Omega/500\text{VDC}$
	Between base and power cord $\geq 30\text{M}\Omega/500\text{VDC}$
Operating environment	0°C~40°C, $\leq 80\%$ RH
Storage environment	-10°C~70°C, $\leq 70\%$ RH
Power source	AC110V/220V $\pm 10\%$ selectable, 50/60Hz
Accessories	Power cord x1, Operation manual x1, Test lead x1, USB cable x1, Software CD x1

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