

Linear Mode DC Power Supply

PROGRAMMABLE, MULTIPLE OUTPUT



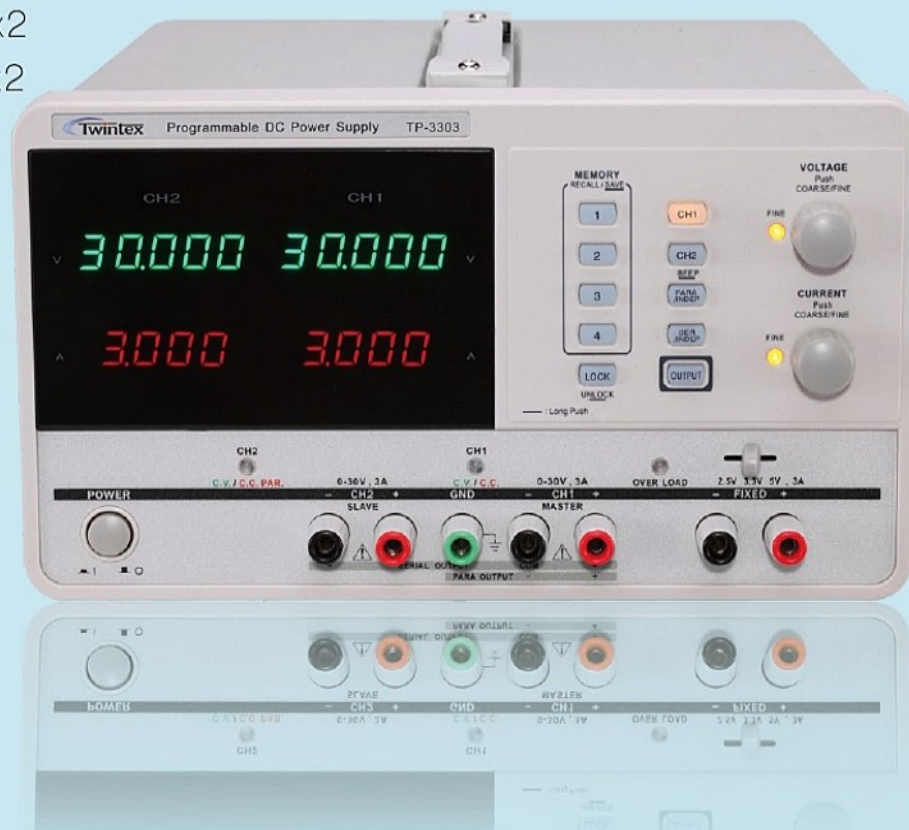
TP3300 SERIES

0~32V / 0~3.2A x2

0~32V / 0~5.1A x2

FIXED

2.5, 3.3, 5V/3A



PC
Software

Labview



FEATURES

- Two independent adjustable outputs 0~32V/0~3.2A x2, 0~32V/0~5.1A x2
- One selectable output 2.5V, 3.3V, 5V/3A
- High resolution 1mV/1mA (TP-3303)
- Constant voltage and constant current operations, auto CV and CC switch
- Digital panel control, Coarse/Fine volume control for voltage and current
- 4 sets save & recall for panels settings, quick operation from panel
- Panel lock and output ON/OFF function
- Preset function, setting of voltage and current with output open circuit
- Auto Series and Parallel tracking operations
- Intelligent cooling fan control
- Standard USB interface for PC remote control (TP-3303/3303U/3305U)
- Support Labview (TP-3303/3303U/3305U)

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SPECIFICATIONS

Model	TP-3303		TP-3303U	TP-3305U	TP-3303D	TP-3305D	TP-3303E	TP-3305D
Rated output (0°C~40°C)								
Output voltage	0~32V x2		0~32V x2	0~32V x2	0~32V x2	0~32V x2	0~32V x2	0~32V x2
Output current	0~3.2A x2		0~3.2A x2	0~5.1A x2	0~3.2A x2	0~5.1A x2	0~3.2A x2	0~5.1A x2
Constant voltage operation								
Line regulation	≤0.01%+3mV							
Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)							
Ripple & Noise (5Hz~1MHz)	≤1mVrms (I≤3A); ≤2mVrms (I≤3A)							
Recovery time	≤100μs (50% load change, minimum load 0.5A)							
Constant current operation								
Line regulation	≤0.2%+3mA							
Load regulation	≤0.2%+3mA (I≤3A); ≤0.2%+5mA (I>3A)							
Ripple & Noise	≤3mA _{rms} (I≤3A); ≤6mA _{rms} (I>3A)							
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%+10mV	≤0.5%+50mV		≤0.5%+50mV		≤0.5%+100mV	
		(No load; with load, add load regulation ≤300mV)						
Auxiliary output (fixed)								
Output voltage	2.5V, 3.3V, 5V (selectable), ±8%							
Output current	3A							
Line regulation	≤25mV							
Load regulation	≤25mV							
Ripple & Noise (5Hz~1MHz)	≤2mVrms							
Protection	Over load and reverse polarity protections							
Display								
Voltmeter		5 digits LED display		3 digits LED display				
Ammeter		4 digits LED display		3 digits LED display				
Resolution		1mV/1mA		100mV/10mA		10mV/10mA (0~9.99V) 100mV/10mA (10~30V)		100mV/10mA
Setting accuracy (25±5°C) d: digits	Voltage	±(0.03%+10mV)		±(0.5%+2d)		±(0.2%+3d) (0~9.99V) ±(0.5%+2d) (10~30V)		±(0.5%+2d)
	Current	±(0.3%+10mA)		±(0.5%+2d) (I≤3A); ±(0.5%+5d) (I>3A)				
Reading accuracy (25±5°C) d: digits	Voltage	±(0.03%+10mV)		±(0.5%+2d)		±(0.2%+3d) (0~9.99V) ±(0.5%+2d) (10~30V)		±(0.5%+2d)
	Current	±(0.3%+10mA)		±(0.5%+3d) (I≤3A); ±(0.5%+5d) (I>3A)				
General								
Protection	Over load, voltage limit, current limit and reverse polarity protections							
Panel lock	Provided							
Interface	USB interface, support Labview				X		X	
Memory	4 sets							
Insulation	Between base and output terminal: ≥20MΩ/500VDC							
	Between base and AC power cord: ≥30MΩ/500VDC							
Operating environment	Indoor use			Altitude: ≤2000m			Ambient temperature: 0~40°C	
	Relative humidity: ≤80%			Installation category: II			Pollution degree: 2	
Storage environment	-10°C~70°C, ≤70%RH							
Power source	AC110V/220V±10% selectable, 50/60Hz							
Accessories	Power cord x1, Operation manual x1, USB cable &Software CD (only for TP-3303/3303U/3305U)							
Dimension (WxHxD)	250x150x310mm							
Weight	8kg		7.5kg	8.5kg	7.5kg	8.5kg	7.5kg	8.5kg