

Linear Mode DC Power Supply

PROGRAMMABLE, MULTIPLE OUTPUT



TP-3303N

0~32V/0~3.2A x2

AUX.:

2.5, 3.3, 5V/3A



FEATURES

- Two independent adjustable outputs 0~32V/0~3.2A x2
- One selectable output 2.5V, 3.3V, 5V/3A or 0-8V/5A at request
- High resolution 1mV/1mA
- Constant voltage and constant current operations, auto CV and CC switch
- 4.3 inch TFT LCD display
- Supports front panel timing output functions
- 100V/120V/220V/230V compatible design to meet the needs of different power grids
- 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, support SCPI commands

Linear Mode DC Power Supply

PROGRAMMABLE, MULTIPLE OUTPUT

SPECIFICATIONS

Model		TP-3303N	
Rated output (0°C ~40°C)			
CH1	0~32V x2 / 0~3.2A x2		
CH2	0~32V x2 / 0~3.2A x2		
CH3	2.5, 3.3, 5V/3A or 0~8V/5A at request		
Constant voltage operation			
Line regulation	≤0.01%+3mV		
Load regulation	≤0.01%+3mV		
Ripple & Noise (5Hz~1MHz)	≤1mVrms		
Recovery time	≤100μs (50% load change, minimum load 0.5A)		
Constant current operation			
Line regulation	≤0.2%+3mA		
Load regulation	≤0.2%+3mA		
Ripple & Noise	≤3mArms		
Tracking operation			
Parallel	Line regulation	≤0.01%+3mV	
	Load regulation	≤0.01%+5mV	
Serial	Line regulation	≤0.01%+5mV	
	Load regulation	≤300mV	
	Tracking error	≤0.5%+10mV (No load; with load, add load regulation ≤300mV)	
Auxiliary output (fixed)			
Output voltage	2.5V, 3.3V, 5V (selectable), ±8%		
Output current	3.2A		
Line regulation	≤0.01%+3mV		
Load regulation	≤0.01%+3mV		
Ripple & Noise (5Hz~1MHz)	≤1mVrms		
Display			
Voltmeter	5 digits LCD display		
Ammeter	4 digits LCD display		
Resolution	1mV/1mA		
Setting accuracy (25±5°C)	Voltage	±(0.03% reading+10mV)	
	Current	±(0.3% reading+10mA)	
Reading accuracy (25±5°C)	Voltage	±(0.03% reading+10mV)	
	Current	±(0.3% reading+10mA)	
General			
Protection	Voltage limit, current limit and reverse polarity protections		
Panel lock	Provided		
Interface	USB interface, support SCPI commands		
Memory	10 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	AC100V/120V/220V/230V compatible, 50/60Hz		
Accessories	Power cord x1, Operation manual x1, USB cable x1, Software CD x1		
Dimension (WxHxD)	240x160x300mm		
Weight	9kg		