

Linear Mode DC Power Supply

MULTIPLE OUTPUT

FEATURES

TP4000N SERIES

- Four independent outputs
- Constant voltage and constant current operations
- Auto CV and CC switch
- Low ripple and noise, low temperature drift
- Auto Series and Parallel tracking operations
- Output ON/OFF control
- Preset function, setting of voltage and current with output open circuit
- High efficiency, high power density
- Over load and reverse polarity protections
- Dual-color four digital panel meters
- SMD PCB, high quality, high reliability



0~30V / 0~3A x2
 0~30V / 0~5A x2
 0~50V / 0~3A x2
 AUX.:
 2.2~15V/1A x2



SPECIFICATIONS

Independent operation		Constant voltage	Constant current
Line regulation		≤0.01%+3mV	≤0.2%+3mA
Load regulation		≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)	≤0.2%+3mA (I≤3A); ≤0.2%+5mA (I>3A)
Ripple & Noise (5Hz~1MHz)		≤1mVrms (I≤3A); ≤2mVrms (I>3A)	≤3mArms (I≤3A); ≤6mArms (I>3A)
Tracking operation			
Parallel	Line regulation	≤0.01%+3mV	
	Load regulation	≤0.02%+5mV	
Series	Line regulation	≤0.01%+5mV	
	Load regulation	≤300mV	
	Tracking error	≤0.5%+10mV of the master, no load (with load, add load regulation ≤300mV)	
Auxiliary output (CH3/CH4)			
Load regulation		≤25mV @110/220VAC rated input	
Ripple & noise (5Hz~1MHz)		≤2mVrms	
Display			
Accuracy		Real voltage and current output: ±(1% reading+2 digits)	
		Preset voltage and current: ±(1% reading+8 digits)	
General			
Operating environment		0℃~40℃, ≤80%RH	
Storage environment		-10℃~70℃, ≤70%RH	
Power source		AC110V/220V±10%, 50/60Hz	
Accessories		Power cord x1, Operation manual x1	

SELECTION GUIDE

Model	TP-4303N	TP-4305N	TP-4503N
Output voltage	0~30V x2	0~30V x2	0~50V x2
Output current	0~3A x2	0~5A x2	0~3A x2
Auxiliary output	2.2~15V/1A x2	2.2~15V/1A x2	2.2~15V/1A x2
Preset V&I	✓	✓	✓
Output ON/OFF	✓	✓	✓
Tracking operation	✓	✓	✓
Dimension (WxHxD)	255x155x310mm		
Weight	8.5kg	10kg	10kg