



Features

- ✓ Two independent adjustable outputs 0~30V/0~3A x2, 0~30V/5A x2, 0~50V/0~3A x2
- ✓ Fixed 2.5V/3.3V/5V/3A binding post output
- ✓ 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

Selection guide

Model	TP-2303N	TP-2305N	TP-2503N	TP-2303PU	TP-2305PU	TP-2503PU
Output voltage	0~30V x2	0~30V x2	0~50V x2	0~30V x2	0~30V x2	0~50V x2
Output current	0~3A x2	0~5A x2	0~3A x2	0~3A x2	0~5A x2	0~3A x2
Fixed output	CH3	2.5/3.3/5V/3A	2.5/3.3/5V/3A	2.5/3.3/5V/3A	2.5/3.3/5V/3A	2.5/3.3/5V/3A
	USB			5V/2A	5V/2A	5V/2A
Preset V&I				✓	✓	✓
Output ON/OFF	✓	✓	✓	✓	✓	✓
Tracking operation	✓	✓	✓	✓	✓	✓
Dimension	255Wx155Hx310D mm					
Weight	8kg	9.5kg	9.5kg	8.5kg	10kg	10kg

Specifications

Rated output		TP-2303N	TP-2305N	TP-2503N
Constant voltage operation				
Line regulation		≤0.01%+3mV		
Load regulation		≤0.01%+3mV	≤0.02%+5mV	≤0.01%+3mV
Ripple & Noise (5Hz~1MHz)		≤1mVrms	≤2mVrms	≤1mVrms
Recovery time		≤100μS (50% load change, minimum load 0.5A)		
Temp.coefficient		≤300ppm/°C		
Constant current operation				
Line regulation		≤0.2%+3mA		
Load regulation		≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Ripple & Noise		≤3mA _{rms}	≤6mA _{rms}	≤3mA _{rms}
Tracking operation				
Parallel	Line regulation	≤0.01%+3mV		
	Load regulation	≤0.02%+5mV		
Series	Line regulation	≤0.01%+5mV		
	Load regulation	≤300mV		
Auxiliary output (CH3)				
Load regulation		≤25mV		
Ripple & Noise (5Hz~1MHz)		≤2mVrms		
Display				
Voltmeter		3 digits LED display		
Ammeter		3 digits LED display		
Resolution		100mV/10mA		
Accuracy	Output	≤1% rdg+2 digits		
	Preset	≤1% rdg+8 digits		
General				
Operating environment		0℃~40℃, ≤80%RH		
Storage environment		-10℃~70℃, ≤70%RH		
Power source		AC110V/220V±10%, 50/60Hz		
Accessories		AC220V±10%, 50/60Hz; AC110V at request		
Dimensions		255W x 155H x 310D mm		
Weight		8kg	9.5kg	9.5kg

Specifications are subject to change without prior notice.