

Linear Mode DC Power Supply

MULTIPLE OUTPUT



TP2000 SERIES

FEATURES

0~30V / 0~3A x2

0~30V / 0~5A x2

FIXED 5V / 3A



- Two independent adjustable 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 (TP-2303TK/2305TK)
- High efficiency, high power density
- Over load and reverse polarity protections
- Dual-color four digital panel meters



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)	≤3mA _{rms} (I≤3A); ≤6mA _{rms} (I>3A)
Tracking operation			
Parallel	Line regulation	≤0.01%+3mV	
	Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)	
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 (fixed)			
Load regulation		≤25mV @110/220VAC rated input	
Ripple & noise (5Hz~1MHz)		≤2mVrms	
Display			
Resolution		100mV/10mA	
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-2303E	TP-2305E	TP-2303K	TP-2305K	TP-2303	TP-2305	TP-2303TK	TP-2305TK
Output voltage	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2
Output current	0~3A x2	0~5A x2	0~3A x2	0~5A x2	0~3A x2	0~5A x2	0~3A x2	0~5A x2
Fixed output			5V $\pm 0.25\text{V}/3\text{A}$		5V $\pm 0.25\text{V}/3\text{A}$		5V $\pm 0.25\text{V}/3\text{A}$	
Preset V&I							√	
Output ON/OFF				√		√		√
Tracking operation		√		√		√		√
Dimension (WxHxD)	255x155x330mm				255x155x370mm			
Weight	7.5kg	8kg	7.5kg	8kg	8kg	9kg	8kg	9kg

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SELECTION GUIDE

Model	TP-30102	TP-60052
Output voltage	0~30V x2	0~60V x2
Output current	0~10A x2	0~5A x2
Resolution	100mV/10mA	100mV/10mA
Fixed output		
Preset V&I	√	√
Output ON/OFF	√	√
Tracking operation	√	√
Dimension (WxHxD)	255x155x460mm	255x155x460mm
Weight	16kg	16kg