

Linear Mode DC Power Supply

SINGLE OUTPUT



TP1000 SERIES

FEATURES

0~30V / 0~3A

0~30V / 0~5A

0~60V / 0~3A

FIXED 5V / 1A



- Constant voltage and constant current operations
- Auto CV and CC switch
- Output ON/OFF control
- High efficiency, light and compact design
- High power density
- Over load and reverse polarity protections
- Dual-color two digital panel meters



SPECIFICATIONS

Rated output	0~30V/0~3A	0~30V/0~5A	0~60V/0~3A
Constant voltage operation			
Line regulation	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+5mV
Load regulation	≤0.01%+3mV	≤0.02%+5mV	≤0.02%+5mV
Ripple & Noise (5Hz~1MHz)	≤3mVrms		
Constant current operation			
Line regulation	≤0.2%+3mA		
Load regulation	≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Fixed output			
Load regulation	≤25mV @ 110/220VAC rated input		
Ripple & noise (5Hz~1MHz)	≤3mVrms		
Display			
Resolution	100mV/10mA		
Accuracy	±(1% reading+2 digits)		
General			
Operating environment	0°C~40°C, ≤80%RH		
Storage environment	-10°C~70°C, ≤70%RH		
Power source	AC110V/220V±10%, 50/60Hz		
Accessories	Power cord x1, Operation manual x1		

SELECTION GUIDE

Model	TP-1303	TP-1305	TP-1603	TP-1303C	TP-1305C	TP-1603C	TP-1303EC	TP-1305EC	TP-1603EC
Output voltage	0~30V	0~30V	0~60V	0~30V	0~30V	0~60V	0~30V	0~30V	0~60V
Output current	0~3A	0~5A	0~3A	0~3A	0~5A	0~3A	0~3A	0~5A	0~3A
Fixed output	5V±0.25V/1A								
Preset V&I									
Output ON/OFF	√			√					
Dimension (WxHxD)	130x160x255mm								
Weight	5 kg	6 kg	6 kg	5 kg	6 kg	6 kg	4.5 kg	5.5 kg	5.5 kg

Linear Mode DC Power Supply

SINGLE OUTPUT

FEATURES

- Constant voltage and constant current operations
- Auto CV and CC switch
- Output ON/OFF control
- Preset function, setting of voltage and current with output open circuit (TP-3020/6010)
- High efficiency, light and compact design
- High power density
- Over load and reverse polarity protections
- Dual-color two digital panel meters

TP1000 SERIES



0~30V / 0~10A
 0~60V / 0~5A
 0~30V / 0~20A
 0~60V / 0~10A



SPECIFICATIONS

Model	TP-3010	TP-6005	TP-3020	TP-6010
Constant voltage operation				
Line regulation	$\leq 0.01\% + 5\text{mV}$	$\leq 0.01\% + 5\text{mV}$	$\leq 0.01\% + 10\text{mV}$	$\leq 0.01\% + 5\text{mV}$
Load regulation	$\leq 0.02\% + 5\text{mV}$	$\leq 0.02\% + 5\text{mV}$	$\leq 0.02\% + 10\text{mV}$	$\leq 0.02\% + 5\text{mV}$
Ripple & Noise (5Hz~1MHz)	$\leq 3\text{mVrms}$			
Constant current operation				
Line regulation	$\leq 0.2\% + 3\text{mA}$			
Load regulation	$\leq 0.2\% + 3\text{mA} (I \leq 3\text{A}); \leq 0.2\% + 5\text{mA} (I > 3\text{A}); \leq 0.2\% + 15\text{mA} (I \geq 10\text{A})$			
Ripple & Noise (5Hz~1MHz)	$\leq 3\text{mA}_{\text{rms}} (I \leq 3\text{A}); \leq 10\text{mA}_{\text{rms}} (I > 3\text{A})$			
Display				
Accuracy	Real voltage and current output: $\pm(1\% \text{ reading} + 2 \text{ digits})$ Preset voltage and current: $\pm(1\% \text{ reading} + 8 \text{ digits})$			
General				
Operating environment	$0^{\circ}\text{C} \sim 40^{\circ}\text{C}, \leq 80\% \text{RH}$			
Storage environment	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}, \leq 70\% \text{RH}$			
Power source	AC110V/220V $\pm 10\%$, 50/60Hz			
Accessories	Power cord x1, Operation manual x1			

SELECTION GUIDE

Model	TP-3010	TP-6005	TP-3020	TP-6010
Output voltage	0~30V	0~60V	0~30V	0~60V
Output current	0~10A	0~5A	0~20A	0~10A
Resolution	100mV/10mA	100mV/10mA	100mV/100mA	100mV/10mA
Fixed output				
Preset V&I			√	√
Output ON/OFF	√	√	√	√
Dimension (WxHxD)	255x155x370mm		255x155x330mm	
Weight	10kg	10kg	14kg	14kg