



• TP-1303



• TP-1303C

FEATURES

- Constant voltage, constant current operation
- Output ON/OFF (optional)
- High efficiency, light and compact design
- High power density
- Current limit protection
- Over load protection for fixed 5V/1A output
- Dual-color two digital panel meters

SPECIFICATION

Model No.	TP-1303	TP-1305	TP-1603	TP-1303C	TP-1305C	TP-1603C
Constant voltage operation						
Load regulation				≤0.01%+3mV		
Line regulation				≤0.02%+5mV (1>3A), ≤0.01%+3mV (1≤3A)		
Ripple & Noise				≤2mV rms		
Temperature co-efficient				≤300ppm/°C		
Recovery time				≤100μs (50% load change, minimum load 0.5A)		
Constant current operation						
Load regulation				≤0.2%+3mA		
Line regulation				≤0.2%+3mA		
Temperature co-efficient				≤500ppm/°C		
Fixed 5V/1A output						
Output accuracy				±1%		
Ripple & noise				≤2mV rms		
Protection				Over load protection		
Display						
Meter				3 digits LED display		
Display resolution				voltage:100mV, Current:10mA		
Display accuracy				voltage:± (0, 5% of rdg + 2digits) Current:± (0, 1% of rdg + 2digits)		
Power source						
Operating environment				AC220V(1±10%) / AC110V(1±10%) selectable, 50/60Hz		
Storage environment				0°C~40°C, <80%		
Accessories				-10°C~70°C, <80%		
Power cordx1, Operation manual x1, Test lead x1						
Single output linear DC power supply selection guide						
Output voltage	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
Fixed output	5V/1A	5V/1A	5V/1A			
Output ON / OFF	√	√	√	√	√	√
Dimension(WxHxD mm)	160x130x310	160x130x310	160x130x310	160x130x310	160x130x310	160x130x310
Weight(kg)	5	6.3	6.5	5	6.3	6.5



• Rear Panel



• Optional 4mm Safety Output Terminal



• TP-3010

FEATURES

- Constant voltage, constant current operation
- Output ON/OFF (optional)
- High efficiency, light and compact design
- High power density
- Current limit protection
- Dual-color two digital panel meters

SPECIFICATION

Model No.	TP-3010	TP-6005
Constant voltage operation		
Load regulation	≤0.01%+3mV	
Line regulation	≤0.02%+5mV (1>3A), ≤0.01%+3mV (1≤3A)	
Ripple & Noise	≤2mV rms	
Temperature co-efficient	≤300ppm/°C	
Recovery time	≤100μs (50% load change, minimum load 0.5A)	
Constant current operation		
Load regulation	≤0.2%+3mA	
Line regulation	≤0.2%+3mA	
Temperature co-efficient	≤500ppm/°C	
Display		
Meter	3digits LED display	
Display resolution	voltage:100mV, Current:10mA	
Display accuracy	voltage:± (0.5% of rdg + 2digits) Current:± (0.1% of rdg + 2digits)	
Power source		
Operating environment	AC220V(1±10%) / AC110V(1±10%) selectable, 50/60Hz 0°C-40°C, <80%	
Storage environment	-10°C~70°C, <80%	
Accessories	Power cordx1, Operation manual x1, Test lead x1	
Single output linear DC power supply selection guide		
Output voltage	0~30V	0~60V
Output current	0~10A	0~5A
Fixed output		
Output ON / OFF	✓	✓
Dimension(WxHxD mm)	260x160x370	260x160x370
Weight(kg)	10	10



• Rear Panel



• Optional 4mm Safety Output Terminal



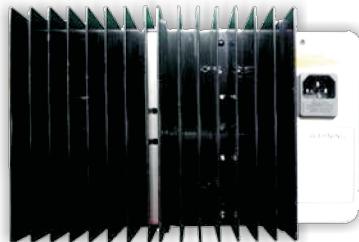
• TP-2305TK

FEATURES

- Two independent adjustable outputs: 0~30V/3A/5A x2, one fixed output 5V/3A x1
- Constant voltage, constant current operation
- Low ripple and noise, low temperature drift
- Auto Tracking
- Auto Series and Parallel operation
- Output ON/OFF control
- Preset voltage and current (TP-2303TK/2305TK/TP-30102/TP-60052)
- High efficiency, high power density
- Current limit protection
- Over load protection for fixed 5V/3A output
- Dual-color four digital panel meters

SPECIFICATION

Model No.	TP-2303	TP-2303TK	TP-2305	TP-2305TK
Constant voltage operation				
Load regulation		≤0.01%+3mV (I≤3A) ≤0.02%+5mV (I>3A)		
Line regulation		≤0.01%+3mV		
Ripple & Noise		≤1mV rms (I≤3A) ≤2mV rms (I>3A)		
Temperature co-efficient		≤300ppm/°C		
Recovery time		≤100μs (50% load change, minimum load 0.5A)		
Constant current operation				
Load regulation		≤0.2%+3mA(I≤3A) ≤0.2%+5mA (I>3A)		
Line regulation		≤0.2%+3mA		
Ripple & Noise		≤3mA rms ≤6mA rms		
Tracking operation				
Parallel	Line regulation Load regulation	≤0.01%+3mV ≤0.01%+3mV (I≤3A) ≤0.02%+5mV (I>3A)		
Series	Line regulation Load regulation	≤0.01%+5mV ≤300mV		
Slave error		≤0.5%+10mV of the master, no load (with load, add load regulation≤300mV)		
Fixed output 5V/3A				
Output accuracy		5V±0.25V		
Max. output current		3A		
Regulation		Line regulation≤25mV, Load regulation≤25mV		
Ripple & noise		≤2.0mVrms		
Protection		Over load protection		
Display				
Meter		3digits LED display		
Display resolution		voltage:100mV, Current:10mA		
Display accuracy		voltage:± (0.5% of rdg + 2digits) Current:± (0.1% of rdg + 2digits)		
Power source				
Operating environment		AC110V/220V ±10%, 50/60Hz		
Storage environment		0°C~40°C, <80% -10°C~70°C, <80%		
Accessories		Power cord x1, Operation manual x1, Test lead x2		
Single output linear DC power supply selection guide				
Output voltage	0~30V x2	0~30V x2	0~30V x2	0~30V x2
Output current	0~3A x2	0~3A x2	0~5A x2	0~5A x2
Fixed output	5V/3A	5V/3A	5V/3A	5V/3A
Preset V&I	✓	✓		✓
Output ON / OFF	✓	✓	✓	✓
Tracking Operation	✓	✓	✓	✓
Dimension(WxHxD mm)	260x160x330	260x160x330	260x160x330	260x160x330
Weight(kg)	8	8	10	10



• Rear Panel

• Optional 4mm Safety Output Terminal





• TP-30102

FEATURES

- Two independent adjustable outputs: 0~30V/10A x2, 0~60V/5A x2
- Constant voltage, constant current operation
- Low ripple and noise, low temperature drift
- Auto Tracking
- Auto Series and Parallel operation
- Output ON/OFF control
- Preset voltage and current
- High efficiency, high power density
- Current limit protection
- Dual-color four digital panel meters

SPECIFICATION

Model No.	TP-30102	TP60052
Constant voltage operation		
Load regulation	$\leq 0.01\%+3mV$ ($I \leq 3A$) $\leq 0.02\%+5mV$ ($I > 3A$)	
Line regulation	$\leq 0.01\%+3mV$	
Ripple & Noise	$\leq 1mV$ rms ($I \leq 3A$) $\leq 2mV$ rms ($I > 3A$)	
Temperature co-efficient	$\leq 300ppm/^{\circ}C$	
Recovery time	$\leq 100\mu s$ (50% load change, minimum load 0.5A)	
Constant current operation		
Load regulation	$\leq 0.2\%+3mA$ ($I \leq 3A$) $\leq 0.2\%+5mA$ ($I > 3A$)	
Line regulation	$\leq 0.2\%+3mA$	
Ripple & Noise	$\leq 3mA$ rms $\leq 6mA$ rms	
Tracking operation		
Parallel	Line regulation: $\leq 0.01\%+3mV$ Load regulation: $\leq 0.01\%+3mV$ ($I \leq 3A$) $\leq 0.02\%+5mV$ ($I > 3A$)	
Series	Line regulation: $\leq 0.01\%+5mV$ Load regulation: $\leq 300mV$	
Slave error	$\leq 0.5\%+10mV$ of the master, no load (with load, add load regulation $\leq 300mV$)	
Display		
Meter	3digits LED display	
Display resolution	Voltage:100mV, Current:10mA	
Display accuracy	Voltage: \pm (0.5% of rdg + 2digits) Current: \pm (0.1% of rdg + 2digits)	
Power source	AC110V/220V $\pm 10\%$, 50/60Hz	
Operating environment	0°C~40°C, <80%	
Storage environment	-10°C~70°C, <80%	
Accessories	Power cord x1, Operation manual x1, Test lead x2	
Single output linear DC power supply selection guide		
Output voltage	0~30V x2	0~60V x2
Output current	0~10A x2	0~5A x2
Fixed output		
Preset V&I	✓	✓
Output ON / OFF	✓	✓
Tracking Operation	✓	✓
Dimension(WxHxD mm)	260x160x460	260x160x460
Weight(kg)	16	16



• Rear Panel

• Optional 4mm Safety Output Terminal

