

Switching Mode DC Power Supply

GENERAL PURPOSE, HIGH POWER



TP-S SERIES



FEATURES

- Max. output power ranging from 150W to 5000W
- Max. output voltage 600V, Max. output current 200A
- Applying advanced PWM control technology
- Compact design and light weight (3~10kg)
- Constant voltage and constant current operations
- Auto CV/CC switch
- Coarse and Fine control for voltage and current
- Over voltage, over current, over temperature and over load protections
- Adjustable OVP range, OCP fixed 105% of max. current range
- Intelligent temperature control cooling fan
- Customized specifications and functions acceptable

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SPECIFICATIONS

Output capacity	150W~5000W
Working mode	PWM
Output	
Output voltage	DC 0~100% full range adjustable
Output current	DC 0~100% full range adjustable
O.V.P. range	DC 1~100% rated output
O.C.P. range	DC fixed 105% max. output
Line regulation	CV \leq 0.2% reading+2 digits
	CC \leq 0.5% reading+2 digits
Load regulation	\leq 0.5% reading+2 digits
Ripple & Noise	\leq 1% rms full scale
Display	
Voltmeter	4 digits LED display
Ammeter	4 digits LED display
Voltage resolution	0.000-9.999V; 00.00-99.99V; 000.0-999.9V
Current resolution	0.000-9.999A; 00.00-99.99A; 000.0-999.9A
Accuracy	\pm (1% FS+1 digit)
Optional functions	
Display meter	4 1/2 digits LED display (Max. display 19999)
Output terminal	Aux. front panel terminal (Max. current 10A)
Output ON/OFF	Front panel switch
	Terminal block or wires on rear panel for remote control
General	
Protection	Over voltage, over current, over temperature and over load protections
Cooling method	Cooling fan
Operating environment	0°C~40°C, <80%RH
Storage environment	-10°C~70°C, <80%RH
Power source	AC110V/220V \pm 10%, 50/60Hz
Input module	Power socket or terminal block
Dimension (WxHxD)	200x150x285mm (M chassis, 150W~1000W)
	260x160x380mm (L chassis, 1000W~3000W)
	260x160x440mm (XL chassis, 3000W~5000W)

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SELECTION GUIDE

Model	Rated output		Power (W)	Display resolution		Weight (kg)
M chassis, 200Wx150Hx285D mm, 150W~1000W						
TP15-30S	0~15V	0~30A	450	10mV	10mA	3.0
TP15-50S	0~15V	0~50A	750	10mV	10mA	3.3
TP15-60S	0~15V	0~60A	900	10mV	10mA	3.3
TP30-20S	0~30V	0~20A	600	10mV	10mA	3.0
TP30-30S	0~30V	0~30A	900	10mV	10mA	3.3
TP50-20S	0~50V	0~20A	1000	10mV	10mA	3.3
TP60-10S	0~60V	0~10A	600	10mV	10mA	3.3
TP1H-3S	0~100V	0~3A	300	100mV	1mA	2.5
TP1H-5S	0~100V	0~5A	500	100mV	1mA	3.3
TP1H-10S	0~100V	0~10A	1000	100mV	10mA	3.3
TP125-3S	0~125V	0~3A	375	100mV	1mA	3.0
TP125-5S	0~125V	0~5A	625	100mV	1mA	3.0
TP150-1S	0~150V	0~1A	150	100mV	1mA	3.0
TP150-2S	0~150V	0~2A	300	100mV	1mA	3.0
TP150-3S	0~150V	0~3A	450	100mV	1mA	3.3
TP150-5S	0~150V	0~5A	750	100mV	1mA	3.3
TP2H-1S	0~200V	0~1A	200	100mV	1mA	3.0
TP2H-2S	0~200V	0~2A	400	100mV	1mA	3.0
TP2H-3S	0~200V	0~3A	600	100mV	1mA	3.3
TP2H-5S	0~200V	0~5A	1000	100mV	1mA	3.3
TP250-1S	0~250V	0~1A	250	100mV	1mA	2.9
TP250-2S	0~250V	0~2A	500	100mV	1mA	3.0
TP250-3S	0~250V	0~3A	750	100mV	1mA	3.1
TP3H-1S	0~300V	0~1A	300	100mV	1mA	3.0
TP3H-2S	0~300V	0~2A	600	100mV	1mA	3.0
TP3H-3S	0~300V	0~3A	900	100mV	1mA	3.3
L chassis, 260Wx160Hx380D mm, 1000W~3000W						
TP15-80S	0~15V	0~80A	1200	10mV	10mA	5.5
TP15-1HS	0~15V	0~100A	1500	10mV	100mA	5.5
TP30-40S	0~30V	0~40A	1200	10mV	10mA	5.3
TP30-50S	0~30V	0~50A	1500	10mV	10mA	5.5
TP30-60S	0~30V	0~60A	1800	10mV	10mA	5.5
TP30-80S	0~30V	0~80A	2400	10mV	10mA	6.5
TP50-30S	0~50V	0~30A	1500	10mV	10mA	5.5
TP50-40S	0~50V	0~40A	2000	10mV	10mA	5.9
TP50-50S	0~50V	0~50A	2500	10mV	10mA	6.3
TP60-20S	0~60V	0~20A	1200	10mV	10mA	4.6
TP60-30S	0~60V	0~30A	1800	10mV	10mA	5.5
TP1H-15S	0~100V	0~15A	1500	100mV	10mA	5.3
TP1H-20S	0~100V	0~20A	2000	100mV	10mA	5.4
TP120-10S	0~120V	0~10A	1200	100mV	10mA	5.2
TP120-20S	0~120V	0~20A	2400	100mV	10mA	6.1
TP150-10S	0~150V	0~10A	1500	100mV	10mA	5.5
TP2H-10S	0~200V	0~10A	2000	100mV	10mA	5.9

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Model	Rated output		Power (W)	Display resolution		Weight (kg)
L chassis, 260Wx160Hx380D mm, 1000W~3000W						
TP250-5S	0~250V	0~5A	1250	100mV	1mA	5.5
TP250-10S	0~250V	0~10A	2500	100mV	10mA	5.9
TP3H-5S	0~300V	0~5A	1500	100mV	1mA	5.2
TP4H-1S	0~400V	0~1A	400	100mV	1mA	5.2
TP4H-2S	0~400V	0~2A	800	100mV	1mA	5.3
TP4H-3S	0~400V	0~3A	1200	100mV	1mA	5.5
TP4H-5S	0~400V	0~5A	2000	100mV	1mA	5.9
TP5H-1S	0~500V	0~1A	500	100mV	1mA	5.2
TP5H-2S	0~500V	0~2A	1000	100mV	1mA	5.3
TP5H-3S	0~500V	0~3A	1500	100mV	1mA	5.5
TP5H-5S	0~500V	0~5A	2500	100mV	1mA	5.9
TP6H-1S	0~600V	0~1A	600	100mV	1mA	5.2
TP6H-2S	0~600V	0~2A	1200	100mV	1mA	5.3
TP6H-3S	0~600V	0~3A	1800	100mV	1mA	5.9
XL chassis, 260Wx160Hx440D mm, 3000W~5000W						
TP15-120S	0~15V	0~120A	1800	10mV	100mA	8.0
TP15-150S	0~15V	0~150A	2250	10mV	100mA	8.0
TP15-2HS	0~15V	0~200A	3000	10mV	100mA	8.8
TP30-1HS	0~30V	0~100A	3000	10mV	100mA	7.8
TP30-120S	0~30V	0~120A	3600	10mV	100mA	8.0
TP30-150S	0~30V	0~150A	4500	10mV	100mA	9.3
TP50-60S	0~50V	0~60A	3000	10mV	10mA	7.5
TP50-80S	0~50V	0~80A	4000	10mV	10mA	9.2
TP50-1HS	0~50V	0~100A	5000	10mV	100mA	9.2
TP60-50S	0~60V	0~50A	3000	10mV	10mA	7.5
TP60-60S	0~60V	0~60A	3600	10mV	10mA	8.1
TP60-80S	0~60V	0~80A	4800	10mV	10mA	8.8
TP1H-30S	0~100V	0~30A	3000	100mV	10mA	7.5
TP1H-40S	0~100V	0~40A	4000	100mV	10mA	9.0
TP1H-50S	0~100V	0~50A	5000	100mV	10mA	9.0
TP120-30S	0~120V	0~30A	3600	100mV	10mA	8.0
TP120-40S	0~120V	0~40A	4800	100mV	10mA	9.0
TP150-20S	0~150V	0~20A	3000	100mV	10mA	7.8
TP150-30S	0~150V	0~30A	4500	100mV	10mA	8.8
TP2H-20S	0~200V	0~20A	4000	100mV	10mA	9.0
TP250-15S	0~250V	0~15A	3750	100mV	10mA	8.8
TP250-20S	0~250V	0~20A	5000	100mV	10mA	9.0
TP3H-10S	0~300V	0~10A	3000	100mV	10mA	7.4
TP3H-15S	0~300V	0~15A	4500	100mV	10mA	9.0
TP4H-10S	0~400V	0~10A	4000	100mV	10mA	8.8
TP5H-10S	0~500V	0~10A	5000	100mV	10mA	9.0
TP6H-5S	0~600V	0~5A	3000	100mV	1mA	7.3