

High Power DC Power Supply

Introduction

The TP-S series are high power output DC power supply with output range up to 6kW. The TP-S series can be made according to customer request, with output voltage up to 800V and output current up to 200A. Over Voltage Protection, Over Current Protection, Over Temperature Protection and Over Load Protection keep the TP-S series and their load safe from unexpected conditions. High Accuracy, high stability and low ripple & noise make the TP-S series an ideal solution for various industrial applications.

Features

- ✓ Max. output power ranging from 200W to 6kW
- ✓ Max. output voltage 800V, Max. output current 200A
- ✓ Applying advanced PWM control technology
- ✓ Compact design and light weight (3~9kg)
- ✓ 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 power protections
- ✓ Adjustable OVP range, OCP fixed 105% of Max. current range
- ✓ Intelligent temperature control cooling fan
- ✓ Customized specifications and functions acceptable

Product photo

200W~1500W



500W~6kW



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Specifications

Output capacity	200W~6kW
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 1V~105% rated output
O.C.P. range	DC fixed 105% max. output
Line regulation	CV≤0.2% +2 digits
	CC≤0.5% +2 digits
Load regulation	≤0.5% +2 digits
Ripple & Noise	≤1% rms full scale
Display	
Voltmeter	4 digits LED display, 0.000-9.999V; 00.00-99.99V; 000.0-999.9V
Ammeter	4 digits LED display, 0.000-9.999A; 00.00-99.99A; 000.0-999.9A
Voltage resolution	0.001V / 0.01V / 0.1V
Current resolution	0.001A / 0.01A / 0.1A
Accuracy	±(1% FS+1 digit)
Optional functions	
Display meter	4 1/2 digits LED display (Max. display 19999)
Output terminal	Auxiliary output terminal on front panel, max 10A output
Output ON/OFF	Output ON/OFF key on front panel
	Remote ON/OFF switch on rear panel (Open = off, Short = ON)
Analog control	0-5V 0-10V analog control for voltage or current
General	
Protection	Over voltage, over current, over temperature and over load protections
Operating environment	0°C~40°C, <80%RH
Storage environment	-10°C ~70°C, <80%RH
Power source	AC110V/220V±10%, 50/60Hz (≤5kW models)
	AC380V±10%, 50/60Hz (6kW models)
Input module	Power socket or terminal block
Dimension (WxHxD)	200x150x285mm (M chassis, 200W~1500W)
	260x160x380mm (L chassis, 500W~3000W)
	260x160x440mm (XL chassis, 1800W~6000W)

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Selection guide

Model	Rated Output		Power (W)	Display Resolution	
M chassis, 200Wx150Hx285D mm, 200W~1500W					
TP15-30S	0~15V	0~30A	450	10mV	10mA
TP15-50S	0~15V	0~50A	750	10mV	10mA
TP15-60S	0~15V	0~60A	900	10mV	10mA
TP15-80S	0~15V	0~80A	1200	10mV	10mA
TP15-1HS	0~15V	0~100A	1500	10mV	100mA
TP30-20S	0~30V	0~20A	600	10mV	10mA
TP30-30S	0~30V	0~30A	900	10mV	10mA
TP30-40S	0~30V	0~40A	1200	10mV	10mA
TP30-50S	0~30V	0~50A	1500	10mV	10mA
TP50-20S	0~50V	0~20A	1000	10mV	10mA
TP50-30S	0~50V	0~30A	1500	10mV	10mA
TP60-10S	0~60V	0~10A	600	10mV	10mA
TP60-20S	0~60V	0~20A	1200	10mV	10mA
TP1H-5S	0~100V	0~5A	500	100mV	1mA
TP1H-10S	0~100V	0~10A	1000	100mV	10mA
TP1H-15S	0~100V	0~15A	1500	100mV	10mA
TP120-5S	0~120V	0~5A	600	100mV	1mA
TP120-10S	0~120V	0~10A	1200	100mV	10mA
TP150-3S	0~150V	0~3A	450	100mV	1mA
TP150-5S	0~150V	0~5A	750	100mV	1mA
TP150-10S	0~150V	0~10A	1500	100mV	10mA
TP2H-1S	0~200V	0~1A	200	100mV	1mA
TP2H-2S	0~200V	0~2A	400	100mV	1mA
TP2H-3S	0~200V	0~3A	600	100mV	1mA
TP2H-5S	0~200V	0~5A	1000	100mV	1mA
TP220-1S	0~220V	0~1A	220	100mV	1mA
TP220-2S	0~220V	0~2A	440	100mV	1mA
TP220-3S	0~220V	0~3A	660	100mV	1mA
TP220-5S	0~220V	0~5A	1100	100mV	1mA
TP250-1S	0~250V	0~1A	250	100mV	1mA
TP250-2S	0~220V	0~2A	500	100mV	1mA
TP250-3S	0~250V	0~3A	750	100mV	1mA
TP250-4S	0~250V	0~4A	1000	100mV	1mA
TP250-5S	0~250V	0~5A	1250	100mV	1mA
TP3H-1S	0~300V	0~1A	300	100mV	1mA
TP3H-2S	0~300V	0~2A	600	100mV	1mA
TP3H-3S	0~300V	0~3A	900	100mV	1mA
TP3H-5S	0~300V	0~5A	1500	100mV	1mA
TP4H-1S	0~400V	0~1A	400	100mV	1mA
TP4H-2S	0~400V	0~2A	800	100mV	1mA
TP4H-3S	0~400V	0~3A	1200	100mV	1mA

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Model	Rated Output		Power (W)	Display Resolution	
L chassis, 260Wx160Hx380D mm, 500W~3000W					
TP30-60S	0~30V	0~60A	1800	10mV	10mA
TP30-80S	0~30V	0~80A	2400	10mV	10mA
TP50-40S	0~50V	0~40A	2000	10mV	10mA
TP50-50S	0~50V	0~50A	2500	10mV	10mA
TP60-30S	0~60V	0~30A	1800	10mV	10mA
TP60-40S	0~60V	0~40A	2400	10mV	10mA
TP80-20S	0~80V	0~20A	1600	10mV	10mA
TP80-30S	0~80V	0~30A	2400	10mV	10mA
TP1H-20S	0~100V	0~20A	2000	100mV	10mA
TP120-20S	0~120V	0~20A	2400	100mV	10mA
TP2H-10S	0~200V	0~10A	2000	100mV	10mA
TP220-10S	0~220V	0~10A	2200	100mV	10mA
TP250-10S	0~250V	0~10A	2500	100mV	10mA
TP4H-5S	0~400V	0~5A	2000	100mV	1mA
TP5H-1S	0~500V	0~1A	500	100mV	1mA
TP5H-2S	0~500V	0~2A	1000	100mV	1mA
TP5H-3S	0~500V	0~3A	1500	100mV	1mA
TP5H-5S	0~500V	0~5A	2500	100mV	1mA
TP6H-1S	0~600V	0~1A	600	100mV	1mA
TP6H-2S	0~600V	0~2A	1200	100mV	1mA
TP6H-3S	0~600V	0~3A	1800	100mV	1mA
TP8H-1S	0~800V	0~1A	800	100mV	1mA
TP8H-2S	0~800V	0~2A	1600	100mV	1mA
TP8H-3S	0~800V	0~3A	2400	100mV	1mA

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Model	Rated Output		Power (W)	Display Resolution	
XL chassis, 260Wx160Hx440D mm, 1800W~6000W					
TP15-120S	0~15V	0~120A	1800	10mV	100mA
TP15-150S	0~15V	0~150A	2250	10mV	100mA
TP15-2HS	0~15V	0~200A	3000	10mV	100mA
TP30-1HS	0~30V	0~100A	3000	10mV	100mA
TP30-120S	0~30V	0~120A	3600	10mV	100mA
TP30-150S	0~30V	0~150A	4500	10mV	100mA
TP30-2HS	0~30V	0~200A	6000	10mV	100mA
TP50-60S	0~50V	0~60A	3000	10mV	10mA
TP50-80S	0~50V	0~80A	4000	10mV	10mA
TP50-1HS	0~50V	0~100A	5000	10mV	100mA
TP60-50S	0~60V	0~50A	3000	10mV	10mA
TP60-60S	0~60V	0~60A	3600	10mV	10mA
TP60-80S	0~60V	0~80A	4800	10mV	10mA
TP60-1HS	0~60V	0~100A	6000	10mV	100mA
TP80-40S	0~80V	0~40A	3400	10mV	10mA
TP80-50S	0~80V	0~50A	4000	10mV	10mA
TP80-60S	0~80V	0~60A	4800	10mV	10mA
TP1H-30S	0~100V	0~30A	3000	100mV	10mA
TP1H-40S	0~100V	0~40A	4000	100mV	10mA
TP1H-50S	0~100V	0~50A	5000	100mV	10mA
TP1H-60S	0~100V	0~60A	6000	100mV	10mA
TP120-30S	0~120V	0~30A	3600	100mV	10mA
TP120-40S	0~120V	0~40A	4800	100mV	10mA
TP120-50S	0~120V	0~50A	6000	100mV	10mA
TP150-20S	0~150V	0~20A	3000	100mV	10mA
TP150-30S	0~150V	0~30A	4500	100mV	10mA
TP150-40S	0~150V	0~40A	6000	100mV	10mA
TP2H-20S	0~200V	0~20A	4000	100mV	10mA
TP220-20S	0~220V	0~20A	4400	100mV	10mA
TP250-20S	0~250V	0~20A	5000	100mV	10mA
TP3H-10S	0~300V	0~10A	3000	100mV	10mA
TP3H-15S	0~300V	0~15A	4500	100mV	10mA
TP4H-10S	0~400V	0~10A	4000	100mV	10mA
TP5H-10S	0~500V	0~10A	5000	100mV	10mA
TP6H-5S	0~600V	0~5A	3000	100mV	1mA
TP8H-5S	0~800V	0~5A	4000	100mV	1mA
TP8H-6S	0~800V	0~6A	4800	100mV	1mA

Specifications are subject to change without prior notice.