

Single Output High Power Switching DC Power Supply

150W ~ 5KW



TP30-30S/TP80-60S

100mV
10mA



► Introduction

The TP-S series are high power output DC power supply with output range up to 5kW. The TP-S series can be made according to customer request, with output voltage up to 400V and output current up to 150A. Over Voltage Protection, Over Current Protection, Over Temperature Protection and Over Power 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 150W to 5kW
- ✓ Max. output voltage 400V, Max. output current 150A
- ✓ Applying advanced PWM control technology
- ✓ Compact design and light weight (3~10kg)
- ✓ Constant voltage (CV) and constant current (CC) 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 & OCP range, OPP fixed 110% of Max. power
- ✓ Intelligent temperature control cooling fan
- ✓ Customized specifications and functions acceptable

Output capacity	150W~5kW
Working mode	PWM
Output	
Output voltage	DC 0~100% full range adjustable
Output current	DC 0~100% full range adjustable
OVP range	DC 0~100% of rated output
OCP range	DC 0~100% of rated 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	3 1/2 digits LED display
Ammeter	3 1/2 digits LED display
Resolution	100mV/10mA
Accuracy	\pm (1% reading \pm 1 digit)
Optional functions	
Display meter	4 1/2 digits LED display (Max. display 19999)
Output terminal	On front panel; or on rear panel; or on both front and rear panels
Output ON/OFF	Switch; or Terminal block; or Wires
General	
Protection	Over voltage, over current, over temperature and over power protections
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	200x150x285mm (150W~1000W) 260x160x380mm (1000W~3000W) 260x160x440mm (3000W~5000W)

Single Output Switching DC Power Supply Selection Guide (150W~5KW)

Model	Rated output			Weight (kg)	Dimension (mm)
	Voltage	Current	Power		
TP15-10S	0~15V	0~10A	150W	3.0	200x150x285
TP15-20S	0~15V	0~20A	300W	3.0	200x150x285
TP15-30S	0~15V	0~30A	450W	3.0	200x150x285
TP15-50S	0~15V	0~50A	750W	3.3	200x150x285
TP15-60S	0~15V	0~60A	900W	3.3	200x150x285
TP15-80S	0~15V	0~80A	1200W	5.5	260x160x380
TP15-1HS	0~15V	0~100A	1500W	5.5	260x160x380
TP15-120S	0~15V	0~120A	1800W	5.7	260x160x380
TP15-150S	0~15V	0~150A	2250W	6.3	260x160x380
TP30-10S	0~30V	0~10A	300W	3.0	200x150x285
TP30-20S	0~30V	0~20A	600W	3.3	200x150x285
TP30-30S	0~30V	0~30A	900W	3.3	200x150x285
TP30-40S	0~30V	0~40A	1200W	5.5	260x160x380
TP30-50S	0~30V	0~50A	1500W	5.5	260x160x380
TP30-60S	0~30V	0~60A	1800W	5.7	260x160x380
TP30-80S	0~30V	0~80A	2400W	6.3	260x160x380
TP30-1HS	0~30V	0~100A	3000W	8.0	260x160x440
TP30-150S	0~30V	0~150A	4500W	9.3	260x160x440
TP50-30S	0~50V	0~30A	1500W	5.5	260x160x380
TP50-50S	0~50V	0~50A	2500W	6.3	260x160x380
TP50-60S	0~50V	0~60A	3000W	8.0	260x160x440
TP50-80S	0~50V	0~80A	4000W	9.0	260x160x440
TP50-1HS	0~50V	0~100A	5000W	9.3	260x160x440
TP60-10S	0~60V	0~10A	600W	3.3	200x150x285
TP60-20S	0~60V	0~20A	1200W	5.5	260x160x380
TP60-30S	0~60V	0~30A	1800W	5.7	260x160x380
TP60-50S	0~60V	0~50A	3000W	8.0	260x160x440
TP60-60S	0~60V	0~60A	3600W	8.0	260x160x440
TP60-80S	0~60V	0~80A	4800W	9.0	260x160x440
TP1H-3S	0~100V	0~3A	300W	3.0	200x150x285
TP1H-5S	0~100V	0~5A	500W	3.3	200x150x285
TP1H-10S	0~100V	0~10A	1000W	5.0	260x160x380
TP1H-20S	0~100V	0~20A	2000W	6.1	260x160x380
TP1H-30S	0~100V	0~30A	3000W	8.0	260x160x440
TP1H-50S	0~100V	0~50A	5000W	9.0	260x160x440

Single Output Switching DC Power Supply Selection Guide (150W~5KW)

Model	Rated output			Weight (kg)	Dimension (mm)
	Voltage	Current	Power		
TP120-3S	0~120V	0~3A	360W	3.0	200x150x285
TP120-5S	0~120V	0~5A	600W	3.3	200x150x285
TP120-10S	0~120V	0~10A	1200W	5.5	260x160x380
TP120-20S	0~120V	0~20A	2400W	6.3	260x160x380
TP120-30S	0~120V	0~30A	3600W	8.0	260x160x440
TP120-40S	0~120V	0~40A	4800W	9.0	260x160x440
TP150-1S	0~150V	0~1A	150W	3.0	200x150x285
TP150-2S	0~150V	0~2A	300W	3.0	200x150x285
TP150-3S	0~150V	0~3A	450W	3.0	200x150x285
TP150-5S	0~150V	0~5A	750W	3.3	200x150x285
TP150-10S	0~150V	0~10A	1500W	5.5	260x160x380
TP150-20S	0~150V	0~20A	3000W	8.0	260x160x440
TP150-30S	0~150V	0~30A	4500W	9.0	260x160x440
TP2H-1S	0~200V	0~1A	200W	3.0	200x150x285
TP2H-2S	0~200V	0~2A	400W	3.0	200x150x285
TP2H-3S	0~200V	0~3A	600W	3.3	200x150x285
TP2H-5S	0~200V	0~5A	1000W	5.0	260x160x380
TP2H-10S	0~200V	0~10A	2000W	6.1	260x160x380
TP2H-20S	0~200V	0~20A	4000W	9.0	260x160x440
TP220-1S	0~220V	0~1A	220W	3.0	200x150x285
TP220-2S	0~220V	0~2A	440W	3.0	200x150x285
TP220-3S	0~220V	0~3A	660W	3.3	200x150x285
TP250-1S	0~250V	0~1A	250W	3.0	200x150x285
TP250-3S	0~250V	0~3A	750W	3.3	200x150x285
TP250-5S	0~250V	0~5A	1250W	5.5	260x160x380
TP250-10S	0~250V	0~10A	2500W	6.3	260x160x380
TP250-20S	0~250V	0~20A	5000W	9.0	260x160x440
TP3H-1S	0~300V	0~1A	300W	3.0	200x150x285
TP3H-2S	0~300V	0~2A	600W	3.3	200x150x285
TP3H-3S	0~300V	0~3A	900W	3.3	200x150x285
TP3H-5S	0~300V	0~5A	1500W	5.5	260x160x380
TP3H-10S	0~300V	0~10A	3000W	8.0	260x160x440
TP4H-1S	0~400V	0~1A	400W	5.5	260x160x380
TP4H-2S	0~400V	0~2A	800W	5.5	260x160x380
TP4H-3S	0~400V	0~3A	1200W	5.5	260x160x380
TP4H-5S	0~400V	0~5A	2000W	6.1	260x160x380
TP4H-10S	0~400V	0~10A	4000W	9.0	260x160x440