

DC Power Supply

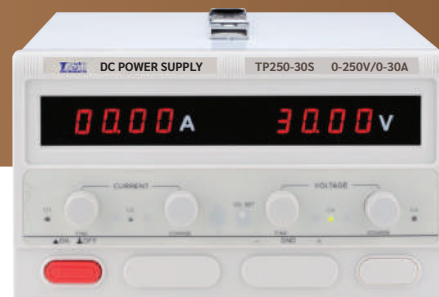
Switching Mode DC Power Supply TP-S Series

Product description:

TP-S series are high power output DC power supply with output range up to 6kW. 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 TP-S series and their load safe from unexpected conditions. High Accuracy, high stability and low ripple & noise make TP-S series an ideal solution for various industrial applications.



TP-S Series (M chassis)



TP-S Series (L & XL chassis)

Features

- ◆ Max. output power ranging from 150W to 6000W
- ◆ 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
- ◆ Coarse and Fine control for voltage and current
- ◆ Adjustable OVP range, OCP fixed 105% of Max. current range
- ◆ Customized specifications and functions acceptable
- ◆ Auto CV/CC switch
- ◆ Over voltage, over current, over temperature and over power protections
- ◆ Intelligent temperature control cooling fan

Specifications

Model	TPS-Seires
Output capacity	150W~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	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, 150W~1500W)
	260x160x380mm (L chassis, 500W~3000W)
	260x160x440mm (XL chassis, 1800W~6000W)

DC Power Supply

Ordering Informations

Model	Rate Output		Power	Display	Weight	Model	Rate Output		Power	Display	Weight
M chassis, 200Wx150Hx285D mm, 150W ~ 1500W						L chassis, 260W*x60Hx380D mm, 1000W ~ 3000W					
TP15-10S	0 ~ 15 V	0 ~ 10 A	150 W	10mV/10mA	3.0	TP120-20S	0 ~ 120 V	0 ~ 20 A	2400 W	100mV/10mA	5.5
TP15-20S	0 ~ 15 V	0 ~ 20 A	300 W	10mV/10mA	3.3	TP200-10S	0 ~ 200 V	0 ~ 10 A	2000 W	100mV/10mA	5.9
TP15-30S	0 ~ 15 V	0 ~ 30 A	450 W	10mV/10mA	3.3	TP220-10S	0 ~ 220 V	0 ~ 10 A	1250 W	100mV/10mA	5.5
TP15-50S	0 ~ 15 V	0 ~ 50 A	750 W	10mV/10mA	3.0	TP250-10S	0 ~ 250 V	0 ~ 10 A	2500 W	100mV/10mA	5.9
TP15-60S	0 ~ 15 V	0 ~ 60 A	900 W	10mV/100mA	3.3	TP400-5S	0 ~ 400 V	0 ~ 5 A	2000 W	100mV/1mA	5.2
TP15-80S	0 ~ 15 V	0 ~ 80 A	1200 W	10mV/10mA	3.3	TP500-1S	0 ~ 500 V	0 ~ 1 A	500 W	100mV/1mA	5.2
TP15-100S	0 ~ 15 V	0 ~ 100 A	1500 W	10mV/10mA	3.3	TP500-2S	0 ~ 500 V	0 ~ 2 A	1000 W	100mV/1mA	5.3
TP30-20S	0 ~ 30 V	0 ~ 20 A	600 W	10mV/10mA	2.5	TP500-3S	0 ~ 500 V	0 ~ 3 A	1500 W	100mV/1mA	5.5
TP30-30S	0 ~ 30 V	0 ~ 30 A	900 W	10mV/10mA	3.3	TP500-5S	0 ~ 500 V	0 ~ 5 A	1500 W	100mV/1mA	5.9
TP30-40S	0 ~ 30 V	0 ~ 40 A	1200 W	10mV/10mA	3.3	TP600-1S	0 ~ 600 V	0 ~ 1 A	600 W	100mV/1mA	5.2
TP30-50S	0 ~ 30 V	0 ~ 50 A	1500 W	10mV/10mA	3.0	TP600-2S	0 ~ 600 V	0 ~ 2 A	1200 W	100mV/1mA	5.3
TP50-20S	0 ~ 50 V	0 ~ 20 A	1000 W	10mV/10mA	3.0	TP600-3S	0 ~ 600 V	0 ~ 3 A	1800 W	100mV/1mA	5.5
TP50-30S	0 ~ 50 V	0 ~ 30 A	1500 W	10mV/10mA	3.0	TP800-1S	0 ~ 800 V	0 ~ 1 A	800 W	100mV/1mA	5.9
TP60-10S	0 ~ 60 V	0 ~ 10 A	600 W	10mV/10mA	3.0	TP800-2S	0 ~ 800 V	0 ~ 2 A	1600 W	100mV/1mA	5.2
TP60-20S	0 ~ 60 V	0 ~ 20 A	1200 W	10mV/10mA	3.3	TP800-3S	0 ~ 800 V	0 ~ 3 A	1800 W	100mV/1mA	5.3
TP100-5S	0 ~ 100 V	0 ~ 5 A	500 W	100mV/1mA	3.3	XL chassis, 260Wx160Hx440D mm, 1800W ~ 6000W					
TP100-10S	0 ~ 100 V	0 ~ 10 A	1000 W	100mV/10mA	3.0	TP15-120S	0 ~ 15 V	0 ~ 120 A	1800 W	10mV/100mA	8.0
TP100-15S	0 ~ 100 V	0 ~ 15 A	1500 W	100mV/10mA	3.0	TP15-150S	0 ~ 15 V	0 ~ 150 A	2250 W	10mV/100mA	8.0
TP120-5S	0 ~ 120 V	0 ~ 5 A	600 W	100mV/1mA	3.3	TP15-200S	0 ~ 15 V	0 ~ 200 A	3000 W	10mV/100mA	8.8
TP120-10S	0 ~ 120 V	0 ~ 10 A	1200 W	100mV/10mA	3.3	TP30-100S	0 ~ 30 V	0 ~ 100 A	3000 W	10mV/100mA	8.8
TP150-3S	0 ~ 150 V	0 ~ 3 A	1500 W	100mV/1mA	2.9	TP30-120S	0 ~ 30 V	0 ~ 120 A	3600 W	10mV/100mA	7.8
TP150-5S	0 ~ 150 V	0 ~ 5 A	750 W	100mV/1mA	3.0	TP30-150S	0 ~ 30 V	0 ~ 150 A	4500 W	10mV/100mA	8.0
TP150-10S	0 ~ 150 V	0 ~ 10 A	1500 W	100mV/10mA	3.1	TP30-200S	0 ~ 30 V	0 ~ 200 A	6000 W	10mV/100mA	9.3
TP200-1S	0 ~ 200 V	0 ~ 1 A	200 W	100mV/1mA	3.0	TP50-60S	0 ~ 50 V	0 ~ 60 A	3000 W	10mV/10mA	7.5
TP200-2S	0 ~ 200 V	0 ~ 2 A	400 W	100mV/1mA	3.0	TP50-80S	0 ~ 50 V	0 ~ 80 A	4000 W	10mV/10mA	9.2
TP200-3S	0 ~ 200 V	0 ~ 3 A	600 W	100mV/1mA	3.3	TP50-100S	0 ~ 50 V	0 ~ 100 A	5000 W	10mV/100mA	9.2
TP200-5S	0 ~ 200 V	0 ~ 5 A	1000 W	100mV/1mA	5.5	TP60-50S	0 ~ 60 V	0 ~ 50 A	3000 W	10mV/10mA	7.5
TP220-1S	0 ~ 220 V	0 ~ 1 A	220 W	100mV/1mA	5.5	TP60-60S	0 ~ 60 V	0 ~ 60 A	3600 W	10mV/10mA	8.1
TP220-2S	0 ~ 220 V	0 ~ 2 A	440 W	100mV/1mA	3.0	TP60-80S	0 ~ 60 V	0 ~ 80 A	4800 W	10mV/10mA	8.8
TP220-3S	0 ~ 220 V	0 ~ 3 A	660 W	100mV/1mA	5.3	TP60-100S	0 ~ 60 V	0 ~ 100 A	6000 W	10mV/100mA	7.5
TP220-5S	0 ~ 220 V	0 ~ 5 A	1100 W	100mV/1mA	5.5	TP80-40S	0 ~ 80 V	0 ~ 40 A	3200 W	10mV/10mA	9.0
TP250-1S	0 ~ 250 V	0 ~ 1 A	250 W	100mV/1mA	5.5	TP80-50S	0 ~ 80 V	0 ~ 50 A	4000 W	10mV/10mA	9.0
TP250-2S	0 ~ 250 V	0 ~ 4 A	500 W	100mV/1mA	6.5	TP80-60S	0 ~ 80 V	0 ~ 60 A	4800 W	10mV/10mA	8.0
TP250-3S	0 ~ 250 V	0 ~ 3 A	750 W	100mV/1mA	5.5	TP100-30S	0 ~ 100 V	0 ~ 30 A	3000 W	100mV/10mA	9.0
TP250-4S	0 ~ 250 V	0 ~ 4 A	1000 W	100mV/1mA	5.9	TP100-40S	0 ~ 100 V	0 ~ 40 A	4000 W	100mV/10mA	7.8
TP250-5S	0 ~ 250 V	0 ~ 5 A	1250 W	100mV/1mA	6.3	TP100-50S	0 ~ 100 V	0 ~ 50 A	5000 W	100mV/10mA	8.8
TP300-1S	0 ~ 300 V	0 ~ 1 A	300 W	100mV/1mA	4.6	TP100-60S	0 ~ 100 V	0 ~ 60 A	6000 W	100mV/10mA	8.5
TP300-2S	0 ~ 300 V	0 ~ 2 A	600 W	100mV/1mA	5.5	TP120-30S	0 ~ 120 V	0 ~ 30 A	3600 W	100mV/10mA	7.5
TP300-3S	0 ~ 300 V	0 ~ 3 A	900 W	100mV/1mA	5.3	TP120-40S	0 ~ 120 V	0 ~ 40 A	4800 W	100mV/10mA	7.9
TP300-5S	0 ~ 300 V	0 ~ 5 A	1500 W	100mV/1mA	5.4	TP120-50S	0 ~ 120 V	0 ~ 50 A	6000 W	100mV/10mA	9.0
TP400-1S	0 ~ 400 V	0 ~ 1 A	400 W	100mV/1mA	5.2	TP150-20S	0 ~ 150 V	0 ~ 20 A	3000 W	100mV/10mA	7.8
TP400-2S	0 ~ 400 V	0 ~ 2 A	800 W	100mV/1mA	5.5	TP150-30S	0 ~ 150 V	0 ~ 30 A	4500 W	100mV/10mA	8.2
TP400-3S	0 ~ 400 V	0 ~ 3 A	1200 W	100mV/1mA	6.1	TP150-40S	0 ~ 150 V	0 ~ 40 A	4500W	100mV/10mA	8.5
L chassis, 260W*x60Hx380D mm, 1000W ~ 3000W						TP200-20S	0 ~ 200 V	0 ~ 20 A	4000 W	100mV/10mA	9.0
TP30-60S	0 ~ 30 V	0 ~ 60 A	1800 W	10mV/10mA	7.2	TP220-20S	0 ~ 220 V	0 ~ 20 A	4400 W	100mV/10mA	8.8
TP30-80S	0 ~ 30 V	0 ~ 80 A	2400 W	10mV/10mA	7.8	TP250-20S	0 ~ 250 V	0 ~ 20 A	5000 W	100mV/10mA	9.0
TP50-40S	0 ~ 50 V	0 ~ 40 A	2000 W	10mV/10mA	7.6	TP300-10S	0 ~ 300 V	0 ~ 10 A	3000 W	100mV/10mA	7.4
TP50-50S	0 ~ 50 V	0 ~ 50 A	2500 W	10mV/10mA	7.6	TP300-15S	0 ~ 300 V	0 ~ 15 A	4500 W	100mV/10mA	9.0
TP60-30S	0 ~ 60 V	0 ~ 30 A	1800 W	10mV/10mA	6.9	TP400-10S	0 ~ 400 V	0 ~ 10 A	4000 W	100mV/10mA	8.8
TP60-40S	0 ~ 60 V	0 ~ 40 A	2400 W	10mV/10mA	7.6	TP500-10S	0 ~ 500 V	0 ~ 10 A	5000 W	100mV/10mA	9.0
TP80-20S	0 ~ 80 V	0 ~ 20 A	1600 W	10mV/10mA	6.2	TP600-5S	0 ~ 600 V	0 ~ 5 A	3000 W	100mV/1mA	7.3
TP80-30S	0 ~ 80 V	0 ~ 30 A	2400 W	10mV/10mA	6.8	TP800-5S	0 ~ 800 V	0 ~ 5 A	4000 W	100mV/1mA	7.6
TP100-20S	0 ~ 100 V	0 ~ 20 A	2000 W	100mV/10mA	6.5	TP800-6S	0 ~ 800 V	0 ~ 6 A	4800 W	100mV/1mA	7.2