

High Power DC Power Supply

High Power DC Power Supply TP-S series

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 100W to 5kW
- ✓ Max. output voltage 400V, Max. output current 150A
- ✓ Applying advanced PWM control technology
- ✓ Compact design and light weight (5~11kg)
- ✓ Constant voltage (CV) and constant current (CC) operations
- ✓ Auto CV/CC switch
- ✓ Coarse and Fine control for voltage and current
- ✓ Multiple protections: OVP, OCP, OTP and OPP
- ✓ Adjustable OVP & OCP range, OPP fixed 110% of Max. power
- ✓ Intelligent temperature control cooling fan
- ✓ Optional functions: Remote Voltage Control; Remote Current Control; Output ON/OFF; Remote Sensing; Timer; Counter
- ✓ Customized specifications and functions acceptable

Product photo



Input module: Power Socket



Input module: Terminal Block

TWINTEX · www.twintex.com.tw

Taipei, Taiwan: Tel: +886-02-2915 0101 · Fax: +886-02-2916 0101
Shenzhen, China: Tel.: +86-755-2812 9890 · Fax: +86-755-2814 9802

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Specifications

Output capacity	100W~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≤0.2% + 2d CC≤0.5% + 2d
Load regulation	≤0.5% + 2d
Ripple & Noise	≤1% RMS
Display	
Meter	3 1/2 digits LED display
Voltage resolution	100mV
Current resolution	10mA
Accuracy	±1% ±1d
Optional functions	
Display meter	4 1/2 digits LED display (Max. display 19999)
DC 10~0V remote voltage control	Terminal block; or Wires
DC 0~10V remote current control	Terminal block; or Wires
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
Remote sensing	Terminal block
Timer	1 set; or 2 sets
Counter	
General	
Protection	Over Voltage Protection (OVP), Over Current Protection (OCP), Over Temperature Protection (OTP), Over Power Protection (OPP)
Power source	AC110V or 220V±10%, 50/60Hz
Input module	Power socket or terminal block
Operating environment	0°C~40°C, <80%RH
Storage environment	-10°C~70°C, <80%RH
Dimension	260x160x380mm

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High Power DC Power Supply Selection Guide					
Model	Output Voltage	Output Current	Output Capacity	Input Module	Weight (kg)
TP15-30S	0~15V	0~30A	450W	Power socket	5.6
TP15-50S	0~15V	0~50A	750W	Power socket	5.6
TP15-60S	0~15V	0~60A	900W	Power socket	5.6
TP15-80S	0~15V	0~80A	1200W	Power socket	5.6
TP15-1HS	0~15V	0~100A	1500W	Power socket	5.6
TP15-120S	0~15V	0~120A	1800W	Power socket	5.6
TP15-150S	0~15V	0~150A	2250W	Terminal block	11
TP30-30S	0~30V	0~30A	900W	Power socket	5.6
TP30-40S	0~30V	0~40A	1200W	Power socket	5.6
TP30-50S	0~30V	0~50A	1500W	Power socket	5.6
TP30-60S	0~30V	0~60A	1800W	Power socket	5.6
TP30-80S	0~30V	0~80A	2400W	Terminal block	11
TP30-1HS	0~30V	0~100A	3000W	Terminal block	11
TP30-150S	0~30V	0~150A	4500W	Terminal block	11
TP50-10S	0~50V	0~10A	500W	Power socket	5.6
TP50-30S	0~50V	0~30A	1500W	Power socket	5.6
TP50-50S	0~50V	0~50A	2500W	Terminal block	11
TP50-60S	0~50V	0~60A	3000W	Terminal block	11
TP50-80S	0~50V	0~80A	4800W	Terminal block	11
TP50-1HS	0~50V	0~100A	5000W	Terminal block	11
TP60-20S	0~60V	0~20A	1200W	Power socket	5.6
TP60-30S	0~60V	0~30A	1800W	Power socket	5.6
TP60-50S	0~60V	0~50A	3000W	Terminal block	11
TP60-60S	0~60V	0~60A	3600W	Terminal block	11
TP60-80S	0~60V	0~80A	4800W	Terminal block	11
TP1H-1S	0~100V	0~1A	100W	Power socket	5.6
TP1H-3S	0~100V	0~3A	300W	Power socket	5.6
TP1H-5S	0~100V	0~5A	500W	Power socket	5.6
TP1H-10S	0~100V	0~10A	1000W	Power socket	5.6
TP1H-20S	0~100V	0~20A	2000W	Power socket	5.6
TP1H-30S	0~100V	0~30A	3000W	Terminal block	11
TP1H-50S	0~100V	0~50A	5000W	Terminal block	11
TP120-1S	0~120V	0~1A	120W	Power socket	5.6
TP120-3S	0~120V	0~3A	360W	Power socket	5.6
TP120-5S	0~120V	0~5A	600W	Power socket	5.6
TP120-10S	0~120V	0~10A	1200W	Power socket	5.6
TP120-20S	0~120V	0~20A	2400W	Terminal block	11
TP120-30S	0~120V	0~30A	3600W	Terminal block	11
TP120-40S	0~120V	0~40A	4800W	Terminal block	11

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Model	Output Voltage	Output Current	Output Capacity	Input Module	Weight (kg)
TP150-1S	0~150V	0~1A	150W	Power socket	5.6
TP150-3S	0~150V	0~3A	450W	Power socket	5.6
TP150-5S	0~150V	0~5A	750W	Power socket	5.6
TP150-10S	0~150V	0~10A	1500W	Power socket	5.6
TP150-20S	0~150V	0~20A	3000W	Terminal block	11
TP150-30S	0~150V	0~30A	4500W	Terminal block	11
TP2H-1S	0~200V	0~1A	200W	Power socket	5.6
TP2H-3S	0~200V	0~3A	600W	Power socket	5.6
TP2H-5S	0~200V	0~5A	1000W	Power socket	5.6
TP2H-10S	0~200V	0~10A	2000W	Power socket	5.6
TP2H-20S	0~200V	0~20A	4000W	Terminal block	11
TP250-1S	0~250V	0~1A	250W	Power socket	5.6
TP250-3S	0~250V	0~3A	750W	Power socket	5.6
TP250-5S	0~250V	0~5A	1250W	Power socket	5.6
TP250-10S	0~250V	0~10A	2500W	Terminal block	11
TP250-20S	0~250V	0~20A	5000W	Terminal block	11
TP3H-1S	0~300V	0~1A	300W	Power socket	5.6
TP3H-2S	0~300V	0~2A	600W	Power socket	5.6
TP3H-3S	0~300V	0~3A	900W	Power socket	5.6
TP3H-5S	0~300V	0~5A	1500W	Power socket	5.6
TP3H-10S	0~300V	0~10A	3000W	Terminal block	11
TP4H-1S	0~400V	0~1A	400W	Power socket	5.6
TP4H-2S	0~400V	0~2A	800W	Power socket	5.6
TP4H-3S	0~400V	0~3A	1200W	Power socket	5.6
TP4H-5S	0~400V	0~5A	2000W	Power socket	11
TP4H-10S	0~400V	0~10A	4000W	Terminal block	11

Specifications are subject to change without prior notice.