

200W~5000W

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~1250W



500W~6kW



High Power DC Power Supply

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 1~100% 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 |
| 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 | ±(1% FS+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 | 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 |
| Operating environment | 0°C~40°C, <80%RH |
| Storage environment | -10°C ~70°C, <80%RH |
| Power source | AC110V/220V±10%, 50/60Hz |
| Input module | Power socket or terminal block |
| Dimension (WxHxD) | 200x150x285mm (M chassis, 200W~1250W) 260x160x380mm (L chassis, 500W~2500W) 260x160x440mm (XL chassis, 2250W~6kW) |

Selection guide

| Model | Rated Output | | Power (W) | Display Resolution | |
|--|--------------|-------|-----------|--------------------|------|
| M chassis, 200Wx150Hx285D mm, 3.0~3.5kg, 200W~1250W | | | | | |
| 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 |
| 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 |
| TP50-20S | 0~50V | 0~20A | 1000 | 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 |
| TP120-3S | 0~120V | 0~3A | 360 | 100mV | 1mA |
| TP120-5S | 0~120V | 0~5A | 600 | 100mV | 1mA |
| TP120-10S | 0~120V | 0~10A | 1200 | 100mV | 10mA |
| TP150-2S | 0~150V | 0~2A | 300 | 100mV | 1mA |
| TP150-3S | 0~150V | 0~3A | 450 | 100mV | 1mA |
| TP150-5S | 0~150V | 0~5A | 750 | 100mV | 1mA |
| 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 |
| TP220-3S | 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 |
| TP250-3S | 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 |
| 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 |

High Power DC Power Supply

| Model | Rated Output | | Power (W) | Display Resolution | |
|--|--------------|--------|-----------|--------------------|-------|
| L chassis, 260Wx160Hx380D mm, 5.0~6.0kg, 500W~2500W | | | | | |
| TP15-1HS | 0~15V | 0~100A | 1500 | 10mV | 100mA |
| TP15-120S | 0~15V | 0~120A | 1800 | 10mV | 100mA |
| TP30-50S | 0~30V | 0~50A | 1500 | 10mV | 10mA |
| TP30-60S | 0~30V | 0~60A | 1800 | 10mV | 10mA |
| TP30-80S | 0~30V | 0~80A | 2400 | 10mV | 10mA |
| TP50-30S | 0~50V | 0~30A | 1500 | 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 |
| TP80-20S | 0~80V | 0~20A | 1600 | 10mV | 10mA |
| TP80-30S | 0~80V | 0~30A | 2400 | 10mV | 10mA |
| TP1H-15S | 0~100V | 0~15A | 1500 | 100mV | 10mA |
| TP1H-20S | 0~100V | 0~20A | 2000 | 100mV | 10mA |
| TP120-20S | 0~120V | 0~20A | 2400 | 100mV | 10mA |
| TP150-10S | 0~150V | 0~10A | 1500 | 100mV | 10mA |
| TP2H-10S | 0~200V | 0~10A | 2000 | 100mV | 10mA |
| TP230-7S | 0~230V | 0~7A | 1610 | 100mV | 1mA |
| TP250-10S | 0~250V | 0~10A | 2500 | 100mV | 10mA |
| TP3H-5S | 0~300V | 0~5A | 1500 | 100mV | 1mA |
| 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 |

High Power DC Power Supply

| Model | Rated Output | | Power (W) | Display Resolution | |
|--|--------------|--------|-----------|--------------------|-------|
| XL chassis, 260Wx160Hx440D mm, 7.0~9.0kg, 2250W~5000W | | | | | |
| 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 |
| TP50-120S | 0~50V | 0~120A | 6000 | 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 |
| TP80-50S | 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 |
| TP2H-20S | 0~200V | 0~20A | 4000 | 100mV | 10mA |
| TP250-15S | 0~250V | 0~15A | 3750 | 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-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 |
| TP8H-5S | 0~800V | 0~5A | 4000 | 100mV | 1mA |

Specifications are subject to change without prior notice.