

DC Power Supply

Programmable Switching DC Power Supply TP-P Series

Product description:

TP-P series programmable DC power supply is switch mode DC power supply with USB interface for communication. The maximum power is up to 6kW. Within this power, TP-P series is open to comprehensive customization of max voltage 1000V and max current 300A industrial applications.



Features

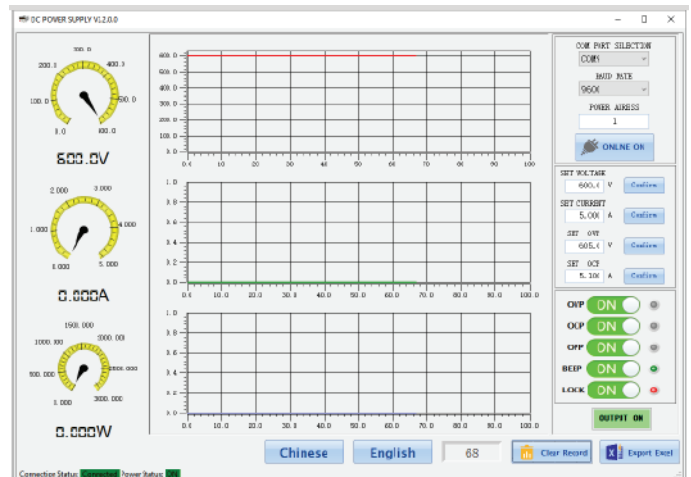
- ◆ Max. output power ranging from 200W to 6kW
- ◆ Max. output voltage 1000V, Max. output current 300A
- ◆ MCU digital control and advanced PWM regulation
- ◆ Compact design and light weight
- ◆ Coarse and Fine control for voltage and current
- ◆ Over voltage, over current and over temperature protections
- ◆ Built-in beeper alarm
- ◆ Intelligent temperature control cooling fan
- ◆ Panel lock and output ON/OFF function
- ◆ USB interface can be changed to RS232 or RS485 interface at request
- ◆ USB interface, support MODBUS-RTU commands
- ◆ Constant voltage; CV/constant current;CC operations; Auto CV/CC switch
- ◆ Customized specifications and functions acceptable****

Specifications

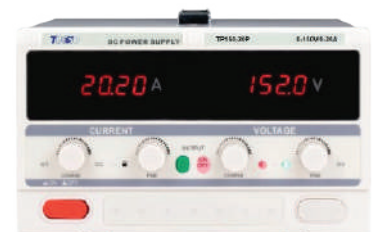
Model	TP-P Seires
Output capacity	200W~6kW
Working mode	PWM
Output	
Output voltage	DC 0~100% full range adjustable
Output current	DC 0~100% full range adjustable
O.V.P. range	DC 1~110% FS
O.C.P. range	DC 1~110% FS
O.P.P range	DC 1~100% FS
Line regulation	≤0.5% FS
Load regulation	≤0.5% FS
Ripple & Noise	≤0.5% FS
Setting accuracy	0.1%FS + 1 digit
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
Readback accuracy	±1% FS +1 digit
Communications	
Interface	USB device, can be change to RS-232 or RS-485 interface at request
Protocols	ModBus-RTU
General features	
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	AC 220V±10% or AC 110V±10%, 50/60Hz
Input module	Power socket or terminal block
Dimension (WxHxD)	200x150x285mm (M chassis, 150W~1500W) 260x160x380mm (L chassis, 500W~3000W) 260x160x440mm (XL chassis, 1800W~6000W)
Weight	Approx. 4kg to 10kg.

Operation software

- ◆ Free PC control software



TP-P Series (M chassis)



TP-P Series (L & XL chassis)

Ordering Informations

Model	Rate Output		Power	Display	Resolution
M chassis, 200Wx150Hx285D mm, 150W ~ 1500W					
TP5-120P	0 ~ 5 V	0 ~ 120 A	600 W	1mV	100mA
TP15-30P	0 ~ 15 V	0 ~ 30 A	450 W	10mV	10mA
TP15-50P	0 ~ 15 V	0 ~ 50 A	750 W	10mV	10mA
TP15-60P	0 ~ 15 V	0 ~ 60 A	900 W	10mV	10mA
TP15-80P	0 ~ 15 V	0 ~ 80 A	1200 W	10mV	10mA
TP15-100P	0 ~ 15 V	0 ~ 100 A	1500 W	10mV	100mA
TP30-20P	0 ~ 30 V	0 ~ 20 A	600 W	10mV	10mA
TP30-30P	0 ~ 30 V	0 ~ 30 A	900 W	10mV	10mA
TP30-40P	0 ~ 30 V	0 ~ 40 A	1200 W	10mV	10mA
TP30-50P	0 ~ 30 V	0 ~ 50 A	1500 W	10mV	10mA
TP30-60P	0 ~ 30 V	0 ~ 60A	1800 W	10mV	10mA
TP50-20P	0 ~ 50 V	0 ~ 20 A	1000 W	10mV	10mA
TP50-30P	0 ~ 50 V	0 ~ 30 A	1500 W	10mV	10mA
TP60-10P	0 ~ 60V	0 ~ 10 A	600 W	10mV	10mA
TP60-20P	0 ~ 60 V	0 ~ 20 A	1200 W	10mV	10mA
TP60-30P	0 ~ 60 V	0 ~ 30 A	1800 W	10mV	10mA
TP100-5P	0 ~ 100 V	0 ~ 5 A	500 W	100mV	1mA
TP100-6P	0 ~ 100 V	0 ~ 6 A	600 W	100mV	1mA
TP100-10P	0 ~ 100 V	0 ~ 10 A	1000 W	100mV	10mA
TP100-15P	0 ~ 100 V	0 ~ 15 A	1500 W	100mV	10mA
TP120-5P	0 ~ 120 V	0 ~ 5 A	600 W	100mV	1mA
TP120-10P	0 ~ 120 V	0 ~ 10 A	1200 W	100mV	10mA
TP150-3P	0 ~ 150 V	0 ~ 3 A	1500 W	100mV	1mA
TP150-5P	0 ~ 150 V	0 ~ 5 A	2500 W	100mV	1mA
TP150-10P	0 ~ 150 V	0 ~ 10 A	1500 W	100mV	10mA
TP200-1P	0 ~ 200 V	0 ~ 1 A	200 W	100mV	1mA
TP200-2P	0 ~ 200 V	0 ~ 2 A	400 W	100mV	1mA
TP200-3P	0 ~ 200 V	0 ~ 3 A	600 W	100mV	1mA
TP200-5P	0 ~ 200 V	0 ~ 5 A	1000 W	100mV	1mA
TP220-1P	0 ~ 220 V	0 ~ 1 A	220 W	100mV	1mA
TP220-2P	0 ~ 220 V	0 ~ 2 A	440 W	100mV	1mA
TP220-3P	0 ~ 220 V	0 ~ 3 A	660 W	100mV	1mA
TP220-5P	0 ~ 220 V	0 ~ 5 A	1100 W	100mV	1mA
TP250-1P	0 ~ 250 V	0 ~ 1 A	250 W	100mV	1mA
TP250-2P	0 ~ 250 V	0 ~ 2 A	500 W	100mV	1mA
TP250-3P	0 ~ 250 V	0 ~ 3 A	750 W	100mV	1mA
TP250-4P	0 ~ 250 V	0 ~ 4 A	1000 W	100mV	1mA
TP250-5P	0 ~ 250 V	0 ~ 5 A	1250 W	100mV	1mA
TP300-1P	0 ~ 300 V	0 ~ 1 A	300 W	100mV	1mA
TP300-2P	0 ~ 300 V	0 ~ 2 A	600 W	100mV	1mA
TP300-3P	0 ~ 300 V	0 ~ 3 A	900 W	100mV	1mA
TP300-5P	0 ~ 400 V	0 ~ 5 A	1500 W	100mV	1mA
TP400-1P	0 ~ 400 V	0 ~ 1 A	400 W	100mV	1mA
TP400-2P	0 ~ 400 V	0 ~ 2 A	800 W	100mV	1mA
TP400-3P	0 ~ 400 V	0 ~ 3 A	1200 W	100mV	1mA
L chassis, 260W*x60Hx380D mm, 500W ~ 3000W					
TP5-200P	0 ~ 50 V	0 ~ 200 A	1000 W	1mV	100mA
TP15-120P	0 ~ 15 V	0 ~ 120 A	1800 W	10mV	100mA
TP25-100P	0 ~ 25 V	0 ~ 100 A	2500 W	10mV	100mA
TP30-60P	0 ~ 30 V	0 ~ 60 A	1800 W	10mV	10mA
TP30-80P	0 ~ 30 V	0 ~ 80 A	2400 W	10mV	10mA
TP30-100P	0 ~ 30 V	0 ~ 100 A	3000 W	10mV	100mA
TP50-40P	0 ~ 50 V	0 ~ 40 A	2000 W	10mV	10mA
TP50-50P	0 ~ 50 V	0 ~ 50 A	2500 W	10mV	10mA
TP50-60P	0 ~ 50 V	0 ~ 60 A	3000 W	10mV	10mA
TP60-30P	0 ~ 60 V	0 ~ 30 A	1800 W	10mV	10mA
TP60-40P	0 ~ 60 V	0 ~ 40 A	2400 W	10mV	10mA
TP60-50P	0 ~ 80 V	0 ~ 50 A	1600 W	10mV	10mA
TP80-20P	0 ~ 80 V	0 ~ 20 A	2400 W	10mV	10mA
TP80-30P	0 ~ 100 V	0 ~ 20 A	1800 W	10mV	10mA
TP100-10P	0 ~ 100 V	0 ~ 10 A	1000 W	100mV	10mA

Model	Rate Output		Power	Display	Weight
L chassis, 260W*60Hx380D mm, 500W ~ 3000W					
TP100-20P	0 ~ 100 V	0 ~ 20 A	2000 W	100mV	10mA
TP100-25P	0 ~ 100 V	0 ~ 25 A	2500 W	100mV	10mA
TP100-30P	0 ~ 100 V	0 ~ 30 A	3000 W	100mV	10mA
TP120-20P	0 ~ 120 V	0 ~ 20 A	2400 W	100mV	10mA
TP150-20P	0 ~ 150 V	0 ~ 20 A	3000 W	100mV	10mA
TP200-10P	0 ~ 200 V	0 ~ 10 A	2000 W	100mV	10mA
TP220-10P	0 ~ 220 V	0 ~ 10 A	2200 W	100mV	10mA
TP250-10P	0 ~ 250 V	0 ~ 10 A	2500 W	100mV	10mA
TP400-5P	0 ~ 400 V	0 ~ 5 A	2000 W	100mV	1mA
TP500-1P	0 ~ 500 V	0 ~ 1 A	500 W	100mV	1mA
TP500-2P	0 ~ 500 V	0 ~ 2 A	1000 W	100mV	1mA
TP500-3P	0 ~ 500 V	0 ~ 3 A	1500 W	100mV	1mA
TP500-5P	0 ~ 500 V	0 ~ 5 A	2500 W	100mV	1mA
TP600-1P	0 ~ 600 V	0 ~ 1 A	600 W	100mV	1mA
TP600-2P	0 ~ 600 V	0 ~ 2 A	1200 W	100mV	1mA
TP600-3P	0 ~ 600 V	0 ~ 3 A	1800 W	100mV	1mA
TP800-1P	0 ~ 800 V	0 ~ 1 A	800 W	100mV	1mA
TP800-2P	0 ~ 800 V	0 ~ 2 A	1600 W	100mV	1mA
TP800-3P	0 ~ 800 V	0 ~ 3 A	2400 W	100mV	1mA
TP1000-1P	0 ~ 1000 V	0 ~ 1 A	1000 W	1V	1mA
TP1000-2P	0 ~ 1000 V	0 ~ 2 A	2000 W	1V	1mA
TP1000-3P	0 ~ 1000 V	0 ~ 3 A	3000 W	1V	1mA
XL chassis, 260Wx160Hx440D mm, 1800W ~ 6000W					
TP10-250P	0 ~ 10 V	0 ~ 250 A	2500 W	10mV	100mA
TP15-150P	0 ~ 15 V	0 ~ 150 A	2250 W	10mV	100mA
TP15-200P	0 ~ 15 V	0 ~ 200 A	3000 W	10mV	100mA
TP30-120P	0 ~ 30 V	0 ~120 A	3600 W	10mV	100mA
TP30-150P	0 ~ 30 V	0 ~ 150 A	4500 W	10mV	100mA
TP30-200P	0 ~ 30 V	0 ~ 200 A	6000 W	10mV	100mA
TP50-80P	0 ~ 50 V	0 ~ 80 A	4000 W	10mV	10mA
TP50-100P	0 ~ 50 V	0 ~ 100 A	5000 W	10mV	100mA
TP50-120P	0 ~ 50 V	0 ~ 120 A	6000 W	10mV	100mA
TP60-60P	0 ~ 60 V	0 ~ 60 A	3600 W	10mV	10mA
TP60-80P	0 ~ 60 V	0 ~ 80 A	4800 W	10mV	10mA
TP60-100P	0 ~ 60 V	0 ~ 100 A	6000 W	10mV	100mA
TP80-40P	0 ~ 80 V	0 ~ 40 A	3200 W	10mV	10mA
TP80-50P	0 ~ 80 V	0 ~ 50 A	4000 W	10mV	10mA
TP80-60P	0 ~ 80 V	0 ~ 60 A	4800 W	10mV	10mA
TP100-40P	0 ~ 100 V	0 ~ 40 A	4000 W	100mV	10mA
TP100-50P	0 ~ 100 V	0 ~ 50 A	5000 W	100mV	10mA
TP100-60P	0 ~ 100 V	0 ~ 60 A	6000 W	100mV	10mA
TP120-30P	0 ~ 120 V	0 ~ 30 A	3600 W	100mV	10mA
TP120-40P	0 ~ 120 V	0 ~ 40 A	4800W	100mV	10mA
TP120-50P	0 ~ 120 V	0 ~ 50 A	6000 W	100mV	10mA
TP150-30P	0 ~ 150 V	0 ~ 30 A	4500 W	100mV	10mA
TP150-40P	0 ~ 150 V	0 ~ 40 A	6000 W	100mV	10mA
TP200-20P	0 ~ 200 V	0 ~ 20 A	4000 W	100mV	10mA
TP200-25P	0 ~ 200 V	0 ~ 25 A	5000 W	100mV	10mA
TP200-30P	0 ~ 200 V	0 ~ 30 A	6000 W	100mV	10mA
TP220-20P	0 ~ 220 V	0 ~ 20 A	4400 W	100mV	10mA
TP250-20P	0 ~ 250 V	0 ~ 20 A	5000 W	100mV	10mA
TP300-10P	0 ~ 300 V	0 ~ 10 A	3000 W	100mV	10mA
TP300-15P	0 ~ 300 V	0 ~ 15 A	4500 W	100mV	10mA
TP300-20P	0 ~ 300 V	0 ~ 20 A	6000 W	100mV	10mA
TP400-10P	0 ~ 400 V	0 ~ 10 A	4000 W	100mV	10mA
TP400-15P	0 ~ 400 V	0 ~ 15 A	6000W	100mV	10mA
TP500-10P	0 ~ 500 V	0 ~ 10 A	5000 W	100mV	10mA
TP600-5P	0 ~ 600 V	0 ~ 5 A	3000 W	100mV	1mA
TP600-8P	0 ~ 600 V	0 ~ 8 A	4800 W	100mV	1mA
TP800-5P	0 ~ 800 V	0 ~ 5 A	4000 W	100mV	1mA
TP800-6P	0 ~ 800 V	0 ~ 6 A	4800 W	100mV	1mA

Standard Accessories :

- User Manual
- Power cord
- USB cable

Fuse

Safety Tester

AC Power Supply

DC Power Supply

Power Analyzer

Electronic Load

Resistance Tester

LCR Meter

Temperature Tester

Environtal Tester