

# T3PS40381P / T3PS60251P / T3PS062001P Fact Sheet

## Programmable Switching DC Power Supply

## Power With Confidence

**Voltage: Up to 60 Volts**

**Current: Up to 200 Amps**

**Power: Up to 1520 Watts**



### Key Specifications

Model	Voltage Rating	Current Rating	Power
T3PS062001P	6 V	200 A	1200 W
T3PS40381P	40 V	38 A	1520 W
T3PS60251P	60 V	25 A	1500 W

### Tools for Improved Debugging

- Dual Measurement display. ✓ Clear Visibility of your power settings.
- Switched mode high efficiency power supply design. ✓ Excellent accuracy regardless of the waveform shape.
- Constant Voltage and Constant Current operation. ✓ Wider application coverage for a more complete solution.
- Remote sensing to compensate for voltage drop in load leads. ✓ Ensure that full voltage gets to your DUT. Sense compensates for wiring losses.
- Supports various interfaces like USB, LAN, RS-232, RS-485. ✓ Support for maximum control flexibility.
- 1U Height and 19" Rack Mount Size. ✓ Provides more flexible system integration.
- 3 Years Warranty as standard. ✓ Peace of mind.

For more information, please contact:

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### Ripple and Noise

CVp-p (10 – 20 MHz) p-p	60 mV	60 mV	60 mV
CVrms (5 Hz – 1 MHz) r.m.s	8 mV	8 mV	8 mV
CCrms (5 Hz – 1 MHz) r.m.s	400 mA	95 mA	75 mA

### Load Regulation

Voltage	2.6 mV	6 mV	8 mV
Current	45 mA	12.6 mA	10 mA

### Line Regulation

Voltage	2.6 mV	6 mV	8 mV
Current	22 mA	5.8 mA	4.5 mA

### Transient Response Time

Transient Response Time	1.5 ms	1 ms	1 ms
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### Output Response Time

RiseTime	Rated load	80 ms	80 ms	80 ms
	No Load	80 ms	80 ms	80 ms
Fall Time	Rated load	10 ms	80 ms	80 ms
	No Load	500 ms	1100 ms	1100 ms

### Temperature Coefficient

Voltage & Current	100 ppm/°C after a 30 minute warm-up
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### Remote Sense Compensation Voltage (Single Wire)

Voltage	1 V	2 V	3 V
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### Features

- CCor CV Priority Mode
- Adjustable Voltage/ Current Rise and Fall Time
- Three sets of Preset Functions
- Bleeder Control Function
- Internal Resistance Function
- Panel Lock Function
- Protection: OVP, OCP, OHP, UVL, AC Fail, FAN Fail
- Standard: USB, LAN, RS-232, RS-485, Analog Control

### Applications

- The primary input of DC/DC converter
- Servomotor Manufacturing Equipment
- Aging test equipment for Capacitor
- Aging test equipment for Diodes
- Power supply for communications Equipment
- Automotive 12/48 V Systems
- Military and Aviation

### T3PS Series Operating Area

The T3PS power supplies are regulated DC power supplies with a high voltage and current output. These operate in CC or CV mode within a wide operating range limited only by the voltage or current output.

The operating area of each power supply is determined by the rated output power as well as the voltage and current rating.

