

Power Supplies Fact Sheet

Single and Dual Output

Broad Product Range

Current: Up to 30 Amps

Voltage: Up to 60 Volts

Power: Up to 360 Watts



Tools for Improved Debugging

- 7 Models to choose from. ✔ More choices for better application coverage.
- Single and Dual output models. ✔ Triple and Quad output models available in our Triple and Quad output model brochure.
- Programmable and non-programmable models available. ✔ Selection of bench or programmable/ATE instruments.
- Sense terminals on all single output models. ✔ Ensure the full voltage gets to your DUT. Sense compensates for wiring loss.
- Twin output models support independent, series and parallel output modes. ✔ Twin output models support the maximum output configuration flexibility.

Warranty: 3 Years return to Teledyne LeCroy.

Models and Characteristics

| | Voltage Range | Current Range | Maximum Power |
|------------|-----------------|---------------|--------------------|
| T3PS11230 | 0–12 V | 0–30 A | 360 W |
| T3PS12415 | 0–24 V | 0–15 A | 360 W |
| T3PS13206 | 0–32 V | 0–6 A | 192 W |
| T3PS13206P | 0–32 V | 0–6 A | 192 W Programmable |
| T3PS16006 | 0–60 V | 0–6 A | 360 W |
| T3PS23203 | 0–32 V / 0–32 V | 0–3 A / 0–3 A | 192 W |
| T3PS23203P | 0–32 V / 0–32 V | 0–3 A / 0–3 A | 192 W Programmable |

For more information, please contact:

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Models and Specifications

| Model | T3PS11230 | T3PS12415 | T3PS13206 | T3PS13206P | T3PS16006 | T3PS23203 | T3PS23203P |
|--------------------|-----------|-----------|-----------|------------|-----------|-----------------|-----------------|
| Number of Channels | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Voltage Range | 0–12 V | 0–24 V | 0–32 V | 0–32 V | 0–60 V | 0–32 V / 0–32 V | 0–32 V / 0–32 V |
| Current Range | 0–30 A | 0–15 A | 0–6 A | 0–6 A | 0–6 A | 0–3 A / 0–3 A | 0–3 A / 0–3 A |
| Maximum Power | 360 W | 360 W | 192 W | 192 W | 360 W | 192 W | 192 W |

Constant Voltage

| | | | | | | | |
|--|--------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
| Line Regulation | ≤ 5 mV | ≤ 5 mV | ≤ 0.01 % + 3 mV | ≤ 0.01 % + 3 mV | ≤ 5 mV | ≤ 0.01 % + 3 mV | ≤ 0.01 % + 3 mV |
| Load Regulation | ≤ 5 mV | ≤ 5 mV | ≤ 0.02 % + 5 mV | ≤ 0.02 % + 5 mV | ≤ 5 mV | ≤ 0.01 % + 3 mV | ≤ 0.01 % + 3 mV |
| Ripple & Noise | ≤ 5 mV rms (20 Hz – 20 MHz) | ≤ 5 mV rms (20 Hz – 20 MHz) | ≤ 1 mV rms (5 Hz – 1 MHz) | ≤ 500 μV rms (5 Hz – 1 MHz) | ≤ 5 mV rms (20 Hz – 20 MHz) | ≤ 1 mV rms (5 Hz – 1 MHz) | ≤ 350 μV rms (5 Hz – 1 MHz) |
| Recovery Time (50 % Load Change, minimum load 0.5 A) | ≤ 500 μs | ≤ 500 μs | ≤ 100 μs | ≤ 50 μs | ≤ 500 μs | ≤ 100 μs | ≤ 50 μs |

Constant Current

| | | | | | | | |
|-----------------|-------------|-------------|-----------------|-----------------|------------|-----------------|-----------------|
| Line Regulation | ≤ 3 mA | ≤ 3 mA | ≤ 0.02 % + 3 mA | ≤ 0.02 % + 3 mA | ≤ 3 mA | ≤ 0.02 % + 3 mA | ≤ 0.02 % + 3 mA |
| Load Regulation | ≤ 3 mA | ≤ 3 mA | ≤ 0.02 % + 3 mA | ≤ 0.02 % + 3 mA | ≤ 3 mA | ≤ 0.02 % + 3 mA | ≤ 0.02 % + 3 mA |
| Ripple & Noise | ≤ 30 mA rms | ≤ 10 mA rms | ≤ 3 mA rms | ≤ 4 mA rms | ≤ 3 mA rms | ≤ 3 mA rms | ≤ 2 mA rms |

Other

| | | | | | | | |
|---------------------------|-----------|-----------|--------|--------|-----------|--------|--------|
| Tracking Operation | No | No | No | No | No | Yes | Yes |
| Remote Sense Terminals | Yes | Yes | Yes | Yes | Yes | No | No |
| Programmable | No | No | No | Yes | No | No | Yes |
| Technology | Switching | Switching | Linear | Linear | Switching | Linear | Linear |
| Form Factor | A | A | B | C | A | B | C |

Form Factor



Form Factor style A

Form Factor style A offers a dual measurement display, high efficiency and high power density due to its efficient switching design architecture.



Form Factor style B Form Factor style C

Form Factor style B and C offer independent voltage and current readouts for both channels, high resolution read out, low noise, high reliability and compact size, along with 'Tracking Operation' on the dual channel models.