

DTX SERIES: 2400 WATT MODELS

Product Features



- ▶ System Output: DC
- ▶ Models from 0-100 volts and 0-100 amps
- ▶ Maximum output: 2400 watts
- ▶ Multi-button, menu driven 4.3" full color display
- ▶ Rugged, environmentally sealed enclosure & connectors
- ▶ Switch-mode design for small footprint

Product Overview

The DTX 2400 Series uses switch-mode technology to pack 2400 watts of output power into a 2U high, ½ rack wide, environmentally sealed enclosure. With output capabilities from 24 volts at 100 amps to 100 volts at 24 amps, the DTX packs a punch!

A multi-button, menu driven 4.3" full color display controls standard features including ampere time & real time cycle control, output tolerance settings & alarms, save/recall settings and much more.

- ▶ Ampere time and real time cycle control
- ▶ Constant current, constant voltage, and cross-over regulation modes
- ▶ Ethernet/IP communications
- ▶ Electronic overload, over-temperature, and short circuit protection
- ▶ Forced air cooled
- ▶ ETL, CSA and CE certified

Performance Specifications

- ▶ Ripple: <1% RMS from 10%-100% of maximum rated output
- ▶ Power Factor Correction: 0.99 typical at 115VAC and 230VAC
- ▶ Efficiency: >91% at full load (2400 watts)
- ▶ Line Regulation: +/- 1% of setting or +/- 0.1% of the maximum voltage rating of the power supply
- ▶ Load Regulation: +/- 1% of setting or +/- 0.1% of the maximum current rating of the power supply
- ▶ Digital Meter Accuracy: +/- 1% plus L.S.D.

Options

- ▶ Analog interface
- ▶ Output ramp
- ▶ Reverse output
- ▶ Recipe control
- ▶ Bail kit for adjustable viewing angle

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Model	Voltage (DC)	Current (Amps)	Watts	Voltmeter Resolution	Amp Meter Resolution
DTX12-10	12	10	120	0.01 V	0.01 A
DTX12-50	12	50	600	0.01 V	0.01 A
DTX24-100	24	100	2400*	0.01 V	0.01 A
DTX48-50	48	50	2400*	0.01 V	0.01 A
DTX100-24	100	24	2400*	0.01 V	0.01 A

AC Input: 100-240VAC, Single Phase, 47-63 Hz

*Note: Input voltage of 110-120VAC will limit output power to a maximum of 1200 watts

Size: 3.43" x 8.45" x 18" (HWD)

Weight: 11 pounds