



BENCHTOP DESIGN WITH UP TO 2,400W

The high-performance air cooled DTX-2400 Power Supply brings processes to the next level, delivering accurate, low ripple DC power in a sealed air-cooled design.

The DTX-2400 Series uses switch-mode technology with high-efficiency silicon carbide (SiC) components and synchronous rectification (SR) to reduce process energy consumption and deliver 2,400 W DC power in a compact design.

With its integrated user interface featuring a bright multi-button 4.3" LCD screen, process controls, Ethernet/IP connectivity capability, the DTX-2400 delivers superior performance and premium power.



Certifications:

ETL listed to UL 61010-1 and CSA C22.2#61010-1,
OE compliant

FEATURES

Improve your process - Accurate and low DC ripple

- Exact delivery of power throughout working range
- Engineered for low ripple output, delivers smooth, clean DC
- ETL certification guarantees safety and quality

Air cooled system - Full Protection

- Unit interior completely sealed from cooling air and air ducts for high reliability and increased life-time
- Overload, over-temperature and short-circuit protected

Value-added design featuring FPGA technology

- FPGA controlled system reduces downtime for maximum performance and reliability
- Designed for harsh environments
- Light-weight, 11 lbs
- Process programming and 200Hz options available

User Interface - Intuitive Control

- 4.3" full color display
- Ampere time and real time cycle control

Seamless connectivity and Certifications

- Ethernet/IP Protocol (ODVA Certified)
- Plug-and-play connect to automation control system

APPLICATIONS

- Electro-Plating
- Precious Metal
- Reel-to-Reel
- Electro-Forming

DTX-2400 Power Supply

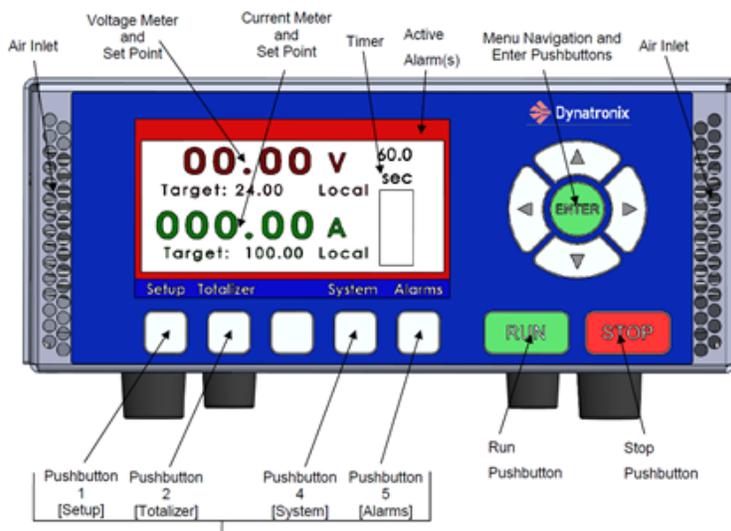
SPECIFICATIONS

Max Rated Power	2,400W					
Output Rating	Model No:	OUTPUT RATING				
		Max Rated Voltage	Max Rated Current	Max Rated Power		
	DTX12-10	12V	10A	120W		
	DTX12-50	12V	50A	600W		
	DTX24-10	24V	10A	240W		
	DTX24-100	24V	100A	2,400W*		
	DTX48-50	48V	50A	2,400W*		
	DTX100-24	100V	24A	2,400W*		
*Note: 100-120VAC will limit output power to 1200W						
Safe Operating Load Range	0 - 100% of unit voltage and current rating					
Output Voltage Regulation	Max. \pm 1% of setting for 20-100% of unit rating Max. \pm 0.2% of unit rating for 3-20% of unit rating					
Output Current Regulation	Max. \pm 0.5% of setting for 20-100% of unit rating Max. \pm 0.1% of unit rating for 3-20% of unit rating					
Ripple, RMS Noise	Less than 0.5% RMS of unit rating (0-5kHz)					
Efficiency	91%-96% efficiency at rated output and depending on output voltage rating					
Input Power	100-240VAC \pm 10%, 1-phase, 50/60Hz					
Power Factor	PFC, 0.99 typical at 115VAC and 230VAC					
Maximum input Current Rating	Model No:	MAXIMUM INPUT CURRENT RATING (Arms per phase) AT NOMINAL 1-PHASE LINE VOLTAGES (50/60 HZ)				
		90VAC	100VAC	115VAC	208VAC	230VAC
	DTX12-10	1.7A	1.5A	1.5A	1A	1A
	DTX12-50	7.5A	7A	6A	4A	3A
	DTX24-10	3.5A	3A	2A	1.5A	1A
	DTX24-100, DTX48-50, DTX100-24	15A*	14A*	12A*	13A	12A
Dimensions	3.43" H x 8.45" W x 18" D / 88mm H x 215mm W x 458mm D not including output connectors					
Weight	11 lbs / 5kg					
Enclosure	Powder coated aluminum					
Cooling	Forced air cooling, Sealed interior					
Humidity	20-80%RH non-condensing					
Maximum Installation Height	2000m					
Certifications	ETL listed to UL 61010-1 and CSA, C22.2#61010-1, CE compliance					
Product Warranty	2 Years					

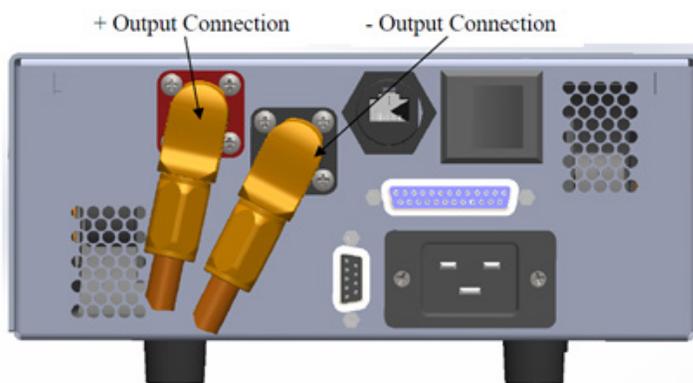
DTX-2400 Power Supply

VIEWS

Front View



Back View

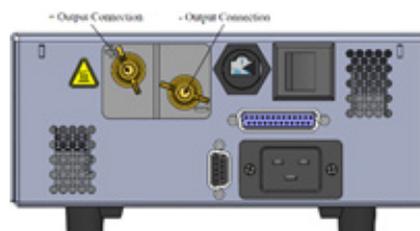


Sealed Amphenol Surlok connectors

DC Connections



Amphenol SurLok - Standard



Threaded Studs up to 50A - Optional

User Interface / Features / Options

SPECIFICATIONS

Design	Bright 4.3" color display
Input	Sealed multi-button input
Digital meter accuracy	±1 of reading plus number of LSD

FEATURES/OPTIONS

BASIC FEATURES

4.3" full color display
Multi-button menu driven
Ampere time cycle control
Real time cycle control
Regulation Modes: Constant current, Constant voltage, Cross-over regulation
Ethernet/IP Interface, ODVA certified for easy setup by customer, For external control or monitoring
Remote voltage sense
Operate input
Inhibit signal input

OPTIONS

Advanced Process Control
Recipe Control with complex sequence programming featuring several steps and step segments each
Storage of sequences with individual alpha/numeric name
Creation of ramp, pulse, saw tooth, trickle or other profiles
Current or voltage monitoring
200Hz pulsing capability
Analog 0-10V 4-20mA Interface
For external control or monitoring
Select between 3-channel or 4-channel mode
Reversing
Integrated reversing for DC output
Direct input of negative set values for reversed output
Can be combined with Advanced Process Control Option
Bail Kit for adjustable viewing angle
Threaded Output Studs, Only for models with 50ADC or less
2U 19" bracket for integration into a 19" rack
