



10 KVA DC to AC Inverter

Single Phase, -48 VDC

Standard Features

- True "On-Line" Technology for Maximum Power Protection
- Reliable and Robust Design
- Easy Access Front Door
- Pure Sine Wave Output for Optimum Performance
- Transistor Power Block Technology
- Highly Efficient Design
- Fully load Rated solid state Static Switch
- LTI Display Panel with mimic diagram
- LCD Display for Output Voltage and Amps
- Input to Output Isolation
- Battery Noise Less than 32dBnC
- Built to Meet Stringent Industry Standards
- Low Audible Noise
- Wrap-around maintenance bypass
- Powers Virtually Any Type Of Load
- Short Circuit Protection
- Mounts in Standard 19" or 23" Rack
- Handles 3:1 Crest Factor Loads
- DC Input Circuit Breaker
- AC Output Circuit Breaker
- Form "C" Alarm Contacts



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Options

- Multiple Output Voltages
- External Maintenance Bypass Switch
- Floor Mount Kit
- Direct Inverter (No Static Switch)
- 50/60Hz Models
- Custom Design for Unique Applications

The reliable and versatile Inverter provides clean, uninterruptible AC power to loads such as; central phone systems, computers, test equipment, alarm monitors, and other critical AC powered devices. The space saving rack mount design is well suited for sensitive telecommunication and data processing installations. The robust inverter can also power more demanding loads such as motors, rectifiers, switch mode power supplies and nonlinear loads.

The inverter is a highly efficient and cost-effective solution for your power problems. Our continuous On-Line inverter design insures maximum critical load protection. The attractive NEMA1 enclosure mounts easily into a standard 19" or 23" rack.



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Electrical Specifications

DC INPUT	
Nominal Voltage (VDC)	48 VDC (40 to 60 VDC)
Current (Amps)	230A @ Full load
Noise Feedback	Less than 32dBnC
Protection (Circuit Breaker)	250

AC OUTPUT	
Power Rating	8KW/10KVA
Nominal Voltage	120vac Standard, 100/127/200/208/220/230/240 Optional
Frequency	50/60Hz
Frequency Stability	±0.1% Internal Crystal Control
Acceptable Bypass Synchronization	Standard 58.8Hz to 61.2Hz
Regulation	±2% over entire input voltage and load range
Waveform	Sinusoidal
Crest Factor	3:1
Harmonic Distortion	Less than 1% with linear load from .8 leading to .8 lagging power factor
Overload	125% for 10 Minutes and 150% for 60 seconds
Protection	Circuit Breaker and Fusing

AC BYPASS INPUT	
Voltage	120vac Standard other voltages are available as an option
Frequency	50/60Hz (bypass frequency must match the output frequency)

ENVIRONMENT	
Operating Temperature	32°F to 122°F (0°C to 50°C)
Cooling	Forced Air (front to back)
Heat Dissipation	5,118 BTU/Hr.
Humidity	0 to 95% non-condensing
Audible Noise	Less than 55dB(A) Scale @ 1 meter
Altitude (Operating)	5,000 ft. (1,500m)

DIMENSIONS	
Height (inches)	40
Width (inches)	17
Depth (inches)	18
Weight (lbs.)	500

ENCLOSURE	
Color	ANSI 61 Gray
Rating	NEMI 1

Note: All data is subject to change without notice.

LTI Power Systems is a ISO9001-2000 listed manufacturer

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