



DC to AC Inverters

Single Phase Models From 1KW to 10KW Input Voltages: 24vdc, 48vdc, and 120vdc

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 Rated Static Switch
- ◆ Status Display Panel with Percent Load Bar Graph Indicator
- ◆ Output Voltage and Amp Meters
- ◆ Input to Output Isolation
- ◆ Battery Noise Less than 32dBnC
- ◆ Built to Meet Stringent Industry Standards
- ◆ Low Audible Noise
- ◆ True “Zero Break” Transfer Switch
- ◆ Powers Virtually Any Type Of Load
- ◆ Short Circuit Protection
- ◆ Mounts in Standard 19” or 23” Rack
- ◆ Handles 5:1 Crest Factor Loads
- ◆ DC Input Circuit Breaker
- ◆ AC Output Circuit Breaker
- ◆ Form “C” Alarm Contacts

Options

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



5kva DC to AC Inverter

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

MODEL	1KW	2KW	2.5KW	3KW	5KW	7.5KW	10KW
DC INPUT							
Nominal Voltage (DC)	24	24 48	24 48	48 120	48 120	120	48 120
Current (Amps)	46	92 46	114 57	69 28	115 46	69	230 92
Noise Feedback	Less than 32dBnC						
Protection (Circuit Breaker)	60	100 60	160 80	80 32	160 50	80	250 125

AC OUTPUT	
Power Rating	1KW 2KW 2.5KW 3KW 5KW 7.5KW 10KW
Nominal Voltage	120vac Standard, 100/120/127/200/208/220/230/240 Optional
Frequency	50/60Hz 50/60Hz 50/60Hz 50/60Hz 50/60Hz 50/60Hz 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	5:1
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

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	512 BTU/Hr. 1,024 BTU/Hr. 1,280 BTU/Hr. 1,535 BTU/Hr. 2,559 BTU/Hr. 3,839 BTU/Hr. 5,118 BTU/Hr.
Humidity	0 to 95% non-condensing
Audible Noise	Less than 50dB(A) Scale @ 1 meter
Altitude (Operating)	5,000 ft (1,500m)

DIMENSIONS	1KW	2KW	2.5KW	3KW	5KW	7.5KW	10KW
Height (inches)	15.75"	15.75"	15.75"	15.75" 32"	15.75" 32"	32"	40" 32"
Width (inches)	17"	17"	17"	17" 17"	17" 17"	17"	17" 17"
Depth (inches)	15"	15"	15"	15" 18"	15" 18"	18"	18" 18"
Weight (lbs.)	120	130	130	135	150	420	500

ENCLOSURE	
Color	ANSI 61 Gray
Rating	NEMA 1

Note: All data is subject to change without notice.

LTI Power Systems is a ISO9001-2000 listed manufacturer
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