



DC TO AC INVERTER

125VDC, 10 - 60KVA

FEATURES/ADVANTAGES

- **True On-Line Technology for Maximum Power Protection**
- **Available in 10kva, 15kva, 20kva, 30kva, 40kva, 50kva and 60kva Power Ratings**
- **20-Year Expected Design Life**
- **Solid State Static Transfer Switch Standard**
- **Highest Quality Components**
- **Copper Wound Transformers**
- **LCD Monitoring Panel**
- **LED Power Flow Diagram**
- **RS232 Communications Port**
- **Form "C" Interface Contacts**
- **Light Gray Powder Coat Finish**
- **Monitoring Software**
- **Built to Meet Stringent UL1778, NEMA, NEC, ANSI, and FCC Requirements**
- **Single or Three phase outputs**
- **50Hz or 60Hz Models**



The LTI 125vdc inverter line is designed for industrial applications as well as office use. The LTI inverter converts the DC input source into clean, reliable, uninterruptible AC power. The wide DC input acceptance range of 105vdc to 150vdc allows operation from different types of DC power plants. The inverter comes standard with a true solid state Static Transfer Switch, front panel monitoring and controls.



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Single Phase	10kva		15kva		20kva		30kva		40kva		50kva		60kva	
Output Voltage	120	240	120	240	120	240	120	240	120	240	120	240	120	240
Full Load Amps	83.3	41.7	125	63	167	83	250	125	333	167	417	208	500	250
Three Phase	10kva		15kva		20kva		30kva		40kva		50kva		60kva	
Output Voltage	120/208		120/208		120/208		120/208		120/208		120/208		120/208	
Full Load	27.8		41.7		55.6		83.3		111.1		139		166.7	
DC Input	10kva		15kva		20kva		30kva		40kva		50kva		60kva	
Full Load DC Input	80A		120A		160A		240A		320A		400A		480A	
Max DC Input	95A		143A		190A		286A		381A		476A		571A	
Output Regulation	±2% from 0 to 100% load and over entire DC input range of 105vdc to 150vdc													
Output THD	<3% for linear loads and <5% for nonlinear loads													
Overload	120% for 15 minutes, 150% for 1 minute													
Frequency Stability	±.01% free running													
Crest Factor	3:1													
Slew Rate	1 Hz per second (adjustable)													
Ventilation	Forced Air N + 1													
Humidity	Up to 95% non-condensing													
Temperature	0° to 40°C													
Audible Noise	<65dB “A” scale at one meter													
Altitude	5000 Ft. without derating													
Cable Entry	Top or bottom													
Model	10kva		15kva		20kva		30kva		40kva		50kva		60kva	
1ph WxDxH	31.5x30x65		31.5x30x65		49.5x30x65		49.5x30x65		67x30x65		67x30x65		67x30x65	
Weight lbs.	1,000		1,000		1,100		1,500		1,800		1,900		2,000	
3ph WxDxH	49.5x30x65		49.5x30x65		49.5x30x65		49.5x30x65		67x30x65		67x30x65		67x30x65	
Weight lbs.	1,100		1,150		1,200		1,600		1,900		2,100		2,200	