



The frequency converter is operated by simply plugging in the supplied cord to the power input, connecting the load to the output plug provided, and turning the unit on. The input and output receptacle, along with the switch, are mounted on the left rear side of the enclosure.

Specifications are listed on the product label regarding maximum input and output voltages and currents.

The unit is protected against thermal and electrical overload. Electrical overloads will cause the AC voltage to collapse as the inverter limits output current. When the overload is removed, output voltage will return to normal. If the output is short circuited the unit will latch itself off, turning the front LED red. This requires the power switch to be cycled to reset the condition (turn the unit off then back on again). Should the unit be thermally overloaded, too much load at too high a temperature, it will shut off, leaving the fan running. When the internal temperature cools sufficiently the unit will turn itself back on.

When the unit is operating normally, the LED on the front will indicate green.

# FREQUENCY CONVERTER SPECIFICATIONS

## INPUT

Continuous Power	Power Factor	Max Line Regulation	Voltage Range	Freq (Hz)	Module Size	Weight LBS.
500W	>0.98	0.5%	90-265Vac	47-63	A	5.5

## Protection Circuitry

Thermal: 105C Internal Temperature  
 Output: Current limiting with short circuit protection  
 Input: Fuse protected

## EFFICIENCY

250 - 500W
> 82% @ 120
> 85% @ 230

## OUTPUT

Model	Minimum Voltage	Typical	Maximum	Regulation Distortion	Max Load
120Vac 60 Hz	117.6	120	122.4	< 2%	1%
120Vac 50 Hz	117.6	120	122.4	< 2%	1%
120Vac 400 Hz	116.4	120	123.6	< 3%	3%
230Vac 60 Hz	225.4	230	234.6	< 2%	1%
230Vac 50 Hz	225.4	230	234.6	< 2%	1%

## Mechanical

Three cases are available, all are 7" high by 18" deep

7 inch: "N" configuration holds 2 power modules  
 19 inch: "N" configuration holds 5 power modules  
 23 inch: "N" configuration holds 6 power modules

Module size "A" - 7" high, 3.2" wide, 15.5" deep

## Environmental

Temperature: -25 to 40 C full power, derated above 40C  
 Altitude: -200 to 10k feet full power, derated above 10k feet  
 Audible noise: > 45dbA  
 Cooling: Thermostatically controlled forced air with variable speed fan  
 Finish: Polyurethane based paint



7317 Jack Newell Blvd. North  
 Fort Worth, Texas 76118-7100  
 817-595-4969 voice, 817-595-1290 fax  
 800-886-4683 toll free  
 E-mail address  
 E-mail address  
 website [www.exeltech.com](http://www.exeltech.com)