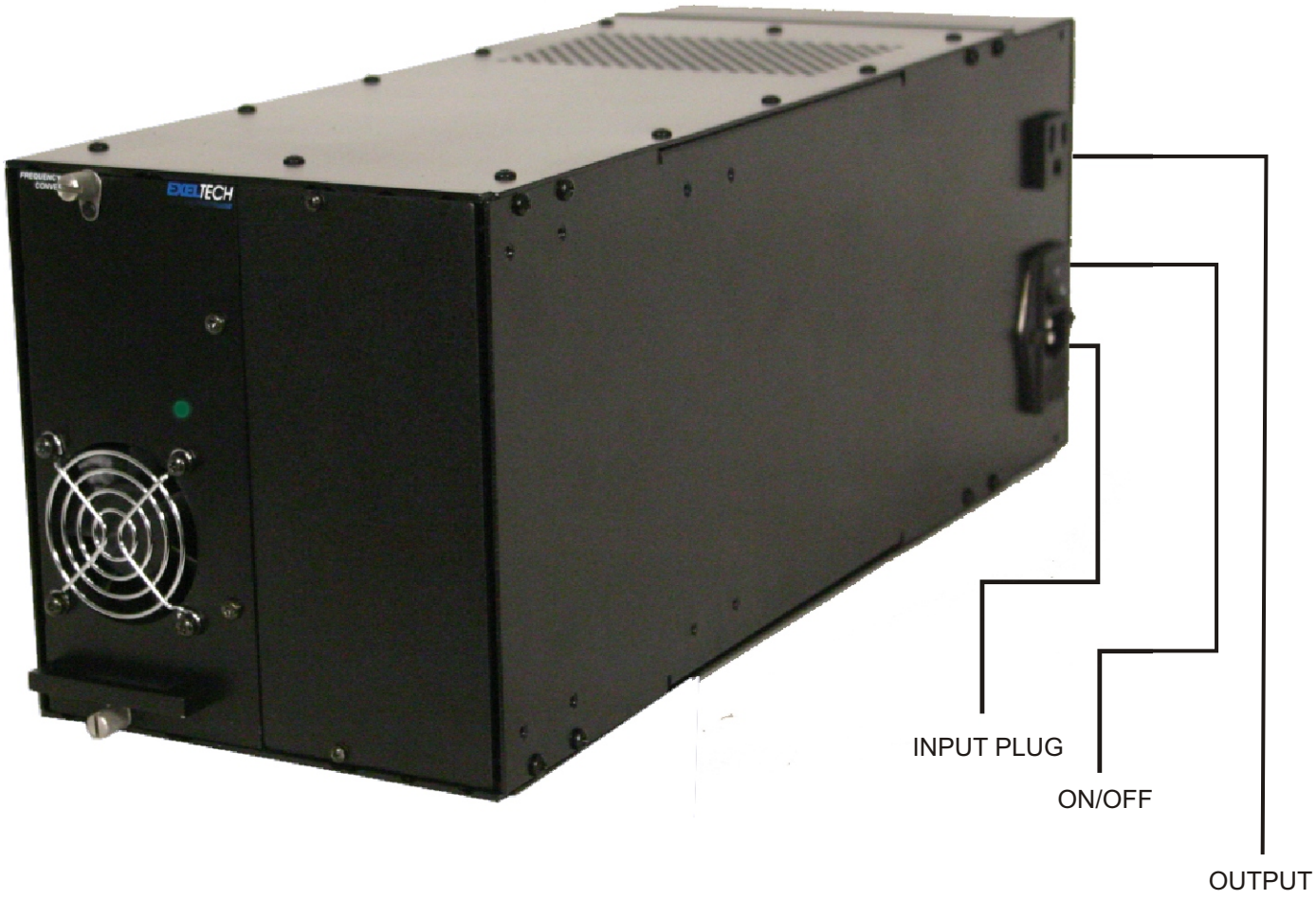
FC SERIES/FREQUENCY CONVERTER



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%	95-260Vac	47-63	A	5.5

EFFICIENCY

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

OUTPUT

Model	Typical Voltage	Range	Distortion	Load Regulation
120Vac 60 Hz	120	+/- 2%	< 2%	1%
120Vac 50 Hz	120	+/- 2%	< 2%	1%
120Vac 400 Hz	120	+/- 2%	< 3%	3%
230Vac 60 Hz	230	+/- 2%	< 2%	1%
230Vac 50 Hz	230	+/- 2%	< 2%	1%

Protection Circuitry

Thermal: Shuts off due to over temperature condition.
Output: Current limiting with short circuit protection
Input: Fuse protected

Mechanical

Three cages 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