



PRODUCT FEATURES

- **The LCE-H inverter is parallelable, hot swappable and supports N+1 redundancy.** The interlocking cam actuated handle turns power off before removal and power on after insertion for glitch-free hot swapping of inverter units. Cabinets, shelves and controllers are available for large and complex indoor and outdoor systems.
- **The LCE-H series is fully scaleable permitting multiple modules to be paralleled** in single phase (up to 36kVA) or three phase applications (up to 20kVA per phase). Full power can be provided over an ambient temperature range of -20 to +55°C
- **Over 9,000 units fielded with a demonstrated MTBF of > 900,000 hours/module**
- **The LCE will maintain total harmonic distortion < 1.0% while providing a regulated true sine wave** for all loads including low power factor (zero lagging to zero leading) non-linear, transient and 1/2 wave rectifier loads.
- **The LCE-H will also deliver transient surge currents up to 38 Amps** (from the 120 VAC line) and provide motor starting power up to 4.0 kVA for 10 seconds.

UNIT SPECIFICATIONS

INPUT

Input Voltage: Nominal 48VDC (38 to 56VDC) or
Nominal 367VDC (210-400VDC),
Custom Voltages Available

OUTPUT

Voltage: *120 or 208 V, *220 or 230 V, 50 or 60 Hz
or as specified on order

Power/KVA: 1.5 KVA for any power factor
zero lag to zero lead
or non linear load with crest
factors less than 2.8:1

Surge Rating: 4 KVA Motor starting for 10 sec.
36 amp peak at 120 VAC
18 amp peak at 230VAC

Line Distortion: Less than 1% THD

Regulation: Less than 2%

Frequency: Better than 0.1% stability

EFFICIENCY

Efficiency: 83% Min. Half Load to Full Load

Standby Dissipation: Under 100 Watts No Load

* 120V 60Hz and 220V 50Hz in stock

PROTECTION

Input Undervoltage, Input Overvoltage,
Output Overload, Output Short Circuit

ENVIRONMENTAL

Cooling: internal fan

Operating Temp: -20° to +55°C

Storage Temp: -50° to +85°C

Humidity: 0-95% non-condensing

Safety Agency: UL, CSA, CE

RELIABILITY

MTBF: >900,000 hours (Demonstrated)

MECHANICAL

Package Options: Modular shelf mount/used
with or without 19" shelf

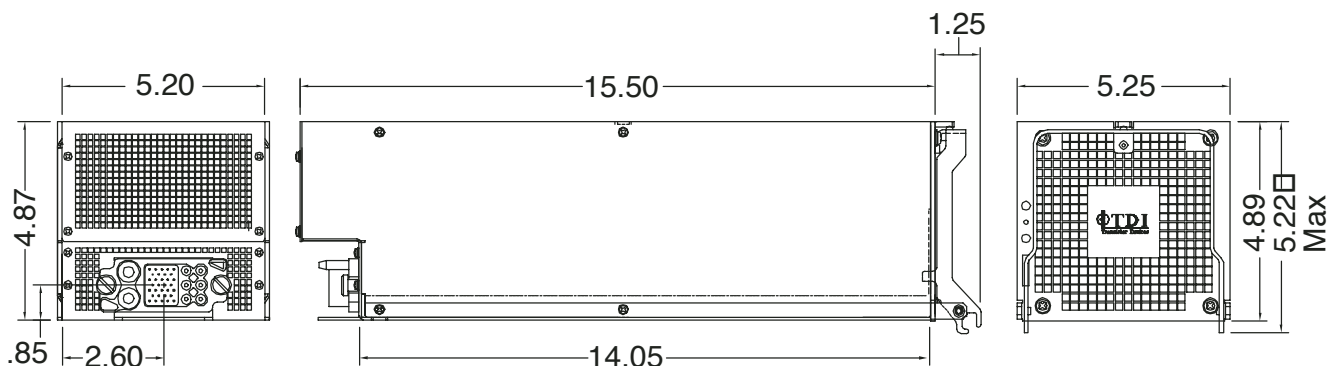
Terminations: Elcon connector: PN 241-28-01100.

Elcon mating connector: PN 242-27-01100
(Note: this is a float mount or crimp
type housing)

Weight: Under 12 lbs. (5.44 kg)

Size: W 5.25" (13.34cm) x H 5.25" Max.
(13.34cm) x D 15.5" (39.37cm)

OUTLINE



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