

### Features

- The LCE 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 series is fully scalable 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.
- 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 ½ wave rectifier loads
- The LCE will also deliver transient surge current up to 18Amps and provide motor starting power up to 4.0KVA for 10 seconds.



### Specifications

#### Input Voltage:

Nominal 48 VDC (38—56 Vdc)

Input Under voltage, Input Over voltage

Output overload, Output Short Circuit

**Efficiency:** 83% Min. Half load to Full load

**Output Voltage:** 120 VAC/60 Hz or 230 VAC/50 Hz

**Cooling:** Internal fan

**Operating Temp:** -20 to +55°C

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

**Store Temp:** -50 to +55°C

**Humidity:** 0-95% non-condensing

**Surge Ratings:** 4kVA motor starting for 10 sec 18 Amps peak at 230VAC

**Line Distortion:** Less than 1% THD

#### MECHANICAL

#### Package Operations:

Modular shelf mount/used with or without 19" shelf

#### Regulation:

Less than 2%

**MTBF:** >900,000 hours (Demonstrated)

#### Terminations:

Elcon connector: P/N 241-28-01100

Elcon mating connector: P/N 242-27-01100

(Note: this is a float mount or crimp type housing)

**Weight:** Under 12 lbs (5.44Kg)

**Stand by Dissipation:** Under 100Wattas No Load

**Size:** W 5.25" (13.34cm) H 5.25" (13.34cm) D15.5" (39.37cm)

### Ordering Information

Part no.	Description
LCE15-48-120-X-60	1.5 KVA Inverter, 48 Vdc Input, 120 VAC, 60 Hz, Output
LCE15-48-230-X-50	1.5 KVA Inverter, 48 Vdc Input, 230 VAC, 50 Hz, Output