

PROJECT NAME:	APPROVED BY:
CATALOG NO:	TYPE NO:

# LITEMINDER – LM Series Inverter

Pure Sine Wave Inverter Technology • Fast Transfer System • LED Compatible

## Peace of Mind never looked so good!

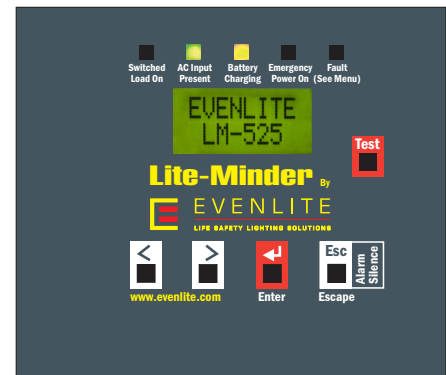
The Lite-Minder Central Inverter System is a sophisticated, versatile, and cost-effective unit that exceeds the features of any comparable system currently available on the market. It has been designed to give users unparalleled ease-of-use, with powerful functionality previously reserved for much larger systems.

The included UL-924 approved Self-Test/Self-Diagnostics features a scrolling LCD display that provides eight points of critical system status events.



## Features

- **Advanced startup diagnostics** which protects the unit at initial startup by performing several checks for common installation errors
- Pure Sine Wave output-LED compatible and for all lighting loads
- Fast Transfer System
- An interactive LCD display for easy access to information
- Programmable settings allowing you to personalize to your needs
- Very high, 4x overload rating ensures that even the most demanding loads will start up
- Three distinct output types for field flexibility
- Self-Diagnostics that retain critical data logs, saving you time and money
- Audible diagnostic alarm
- Small foot-print fits easily in electrical room or closet, or can be mounted to the wall
- No factory startup required
- Tested and Listed by U.L. to UL924 and Canadian Standard
- C 22.2 No. 141-10
- 10 year Lead Calcium or optional 20 year Pure Lead Batteries
- New York City approved, Calendar Number 51575



## ORDERING GUIDE – LM

Example: LM-52-PL-V2-10-21-3S-WB-Z4

Model	VA Rating	Battery Type	Input/Output Voltage	Number of Optional Output Breakers (Max 3)	Options
LM	32 325 VA 52 525 VA	LC Lead Calcium (standard) PL Pure Lead* (optional)  *Pure Lead batteries used with 325 VA system are CSA and UL924 listed, when used with 525 VA system are UL924 listed only	V1 120/120 VAC V2 277/277 VAC	Blank No output breakers (Standard Terminal Block) <b>Breaker 1</b> 10 Normally Off Load 11 Normally On Load 1S Switched Load*(maintained) <b>Breaker 2</b> 20 Normally Off Load 21 Normally On Load 2S Switched Load*(maintained) <b>Breaker 3</b> 30 Normally Off Load 31 Normally On Load 3S Switched Load*(maintained)	<b>2H</b> 2 Hour Run Time (Available only with LC Batteries)** <b>CL</b> Canadian C22.1 No.141.10 Listed <b>DT</b> Summary Alarm Contacts, Form A Contacts, Two Position Closes on Alarm, Rated 5 A @ 277 VAC <b>Z4</b> Seismic Zone 4 Certified <b>ST</b> Standard Transfer- Delayed Transfer (8 msec, not suitable for HID loads) <b>UP</b> Pre-Ship Less Battery <b>WB</b> Wall Mounting Bracket  * All Switched Load Output Breakers can only be configured to one remote output switch ** 2 Hour run time is not available with CSA Listing, only UL 924 Listing
LM					

Fill in fields from categories above and complete type and part number.

Type Number:

Full Part Number:

# Lite-Minder Fast Transfer Sine Wave Inverter

## SPECIFICATIONS

### Input

- Voltage: 120 or 277 VAC Model dependant
- Current: 4.2A(120V), 1.8A(277V) for 325 Watt Model  
5.8A(120V), 2.5A(277V) for 525 Watt Model
- Frequency: 60Hz +/- 2 Hz
- Protection: Input circuit breaker with KLK fuse in series for easy selective coordination with upstream feed breaker
- Power Factor: 0.5 lead to 0.5 lag

### Battery

- Type: Valve-Regulated sealed Lead Calcium, 10 year design life, Upgrade to Pure Lead with 20 year design life available
- Charger: 3 rate with Temperature Compensation
- Recharge Time: 24 Hour recharge standard
- Runtime: 90 Minutes, initial margin of 125 percent at 25 deg. C, 2 Hour Runtime optional
- Protection: Automatic Low Voltage Disconnect (LVD) set at 1.67 VPC, Automatic Restart Upon Utility Power Return
- DC Voltage: 24 VDC Nominal, 2.27 VPC float, temperature compensated
- DC Current: 24 ADC nominal

### Output

- Voltage: 120 or 277 VAC model dependant
- Current: 2.7A (120V), 1.17A (277V) for 325 Watt Model  
4.38A (120V), 1.9A (277V) for 525 Watt Model
- Frequency: 60Hz +/- 0.02 Hz crystal controlled during emergency mode
- Overload: 120 percent for 10 minutes, 400 percent for 200 msec
- Transfer Time: <2 msec as standard or can be factory adjusted
- Output Distortion: Less than 3% THD
- Crest Factor: 4 for 525 W Model, 6.5 for 325 W Model
- Load Power Factor: 0.5 lead to 0.5 lag
- Protection: Optional circuit breakers
- Output Types: Normally On, Normally Off and Switched\* (Maintained) Outputs

### Environmental

- Operating Temp: 20 to 30 degrees Centigrade
- Storage Temp: -20 to 70 degrees Centigrade (Electronics) 0-40 degrees Centigrade (Batteries)
- Relative Humidity: <95 % (non-condensing)

### Physical

- Cooling: Natural Convection - No Fans are required
- Cabinet: NEMA Type 1 enclosure, 18 ga. powder painted CRS, 17.8" W x 17.6" H x 12.6" D
- Weight: LM 32 (105 lbs.) LM52 (133 lbs.)

## WARRANTY

For full warranty details see warranty data sheet CPS-WAR

### Electronics:

- Evenlite Inc. warrants the LM series electronics assembly (except batteries) against defects in material and workmanship for a period of three years

### Battery:

- Evenlite Inc. warrants the LC series Lead Calcium batteries carry a 1 year full, 9 year pro-rated limited warranty
- The PL series Pure Lead batteries carry a 3 year full, 10 year pro-rated limited warranty. Tested and Listed by U.L. to UL924 and Canadian Standard C 22.2 No. 141-10
- 10 year Lead Calcium or optional 20 year Pure Lead Batteries
- New York City approved, Calendar Number 51575

### Optional Mounting Kit for Wall or Strut Mounting

