

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!

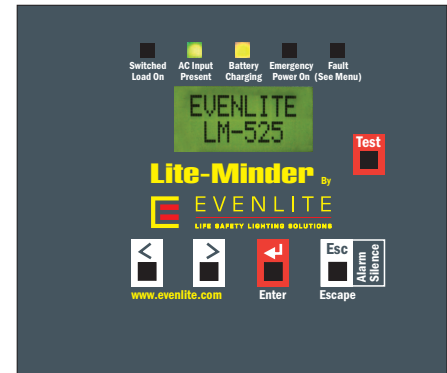
The Lite-Minder Central Inverter System is a sophisticated, versatile, and cost-effective unit that exceeds the features of any comparable system currently available on the market. It has been designed to give users unparalleled ease-of-use, with powerful functionality previously reserved for much larger 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
- Plenum rated
- 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	<b>32</b> 325 VA <b>37</b> 375 VA <b>52</b> 525 VA <b>55</b> 550 VA	<b>LC</b> Lead Calcium (standard) <b>PL</b> Pure Lead* (optional)  *NEW Only Available on 325 and 525 Units	<b>V1</b> 120/120 VAC <b>V2</b> 277/277 VAC	<b>Blank</b> No output breakers (Standard Terminal Block) <b>Breaker 1</b> <b>10</b> Normally Off Load <b>11</b> Normally On Load <b>1S</b> Switched Load*(maintained) <b>Breaker 2</b> <b>20</b> Normally Off Load <b>21</b> Normally On Load <b>2S</b> Switched Load*(maintained) <b>Breaker 3</b> <b>30</b> Normally Off Load <b>31</b> Normally On Load <b>3S</b> 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 on 375 and 550 units 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 325/375 Watt Model  
5.8A (120V), 2.5A (277V) for 525/550 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
- Pure Lead batteries used with 325 VA system are CSA and UL924 listed, when used with 525 VA system are UL924 listed only

### Output

- Voltage: 120 or 277 VAC model dependant
- Current: 2.7A (120V), 1.17A (277V) for 325 Watt Model  
3.13A (120V), 1.36A (277V) for 375 Watt Model  
4.38A (120V), 1.9A (277V) for 525 Watt Model  
4.59A (120V), 1.99A (277V) for 550 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 525/550 W Model, 6.5 for 325/375 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)
- Plenum Rated

### 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

