EVENLITE
LIVES DEPEND ON US

Project Name:	Approved By:
Catalog No:	Type No:

LITEMINDER

325VA - 550VA Multi-Zone Inverter

The LiteMinder 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 - for complete load compatibility
- 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 Lead Batteries
- New York City approved, Calendar Number 51575
- Buy American Act compliant

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 to 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: LM32 (105 lbs.) LM52 (133 lbs.)

CERTIFICATION & COMPLIANCE

- Tested, Approved, and cUL Listed by Underwriters Laboratories Inc. in compliance with UL924, and Canadian CSA-C22.2 No. 141-10
- Optional Zone 4 Seismic Restraints are shake table tested and seismic certified to CBC 2022 and IBC 2021 in accordance with International Code Council-Evaluation Service Acceptance Criteria 156 (ICC-ES AC156). OSHPD/HCAI Listed OSP-0536
- Plenum U.L. Certified and Approved to UL2043
- Meets or exceeds NFPA 101 Life Safety Code, NFPA 70-NEC and OSHA requirements
- New York City approved, Calendar Number 51575
- Buy American Act compliant

WARRANTY

- Electronics are warranted for 3 years, extended out to 5 years with the purchase of Factory Phone Startup (option PS).

ELECTRONICS

- Evenlite Inc. warrants the LM series electronics assembly (except batteries) against defects in material and workmanship for a period of three years.
- An extended warranty is available with the purchase of Factory Phone Startup (PS). The Extended Warranty increases electronics coverage to five years. For complete details, please refer to the Central Power Systems Warranty.

BATTERY

- 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.

ORDERING GUIDE

LM-52-PL-V2-1O-21-3S-WB-Z4

MODEL	VA RATING	BATTERY TYPE	INPUT VOLTAGE	NUMBER OF OPTIONAL OUTPUT BREAKERS[2]	
LM	**32** 325 VA	STANDARD	**V1** 120/120 VAC	STANDARD TERMINAL BLOCK	
	37 375 VA	**LC** Lead Calcium	**V2** 277/277 VAC	**(BLANK)** No Output Breaker	
	52 525 VA	OPTIONAL		BREAKER 1	BREAKER 3
	55 550 VA	**PL** Pure Lead[1]		**1O** Normally Off Load	**3O** Normally Off Load
				11 Normally On Load	**31** Normally On Load
				1S Switched Load[3,4]	**3S** Switched Load[3,4]
				BREAKER 2	BREAKER 4
				2O Normally Off Load	**4O** Normally Off Load
				21 Normally On Load	**41** Normally On Load
				2S Switched Load[3,4]	**4S** Switched Load[3,4]
LM					

OPTIONS

DD Defeat Self-Test/Self-Diagnostic	**UP** Pre-ship Less Battery
2H 2 Hour Run Time[5]	**RA** Remote Annunciator
CL Canadian C22.1 No.141.10 Listed	**PS** Factory Phone Startup[9]
DT Summary Alarm Contacts, Form A Contacts[6, 7]	**WB** Wall Mounting Bracket[10]
Z4 Seismic Zone 4 Certified	
ST Standard Transfer-Delayed Transfer[8]	

ORDERING NOTES

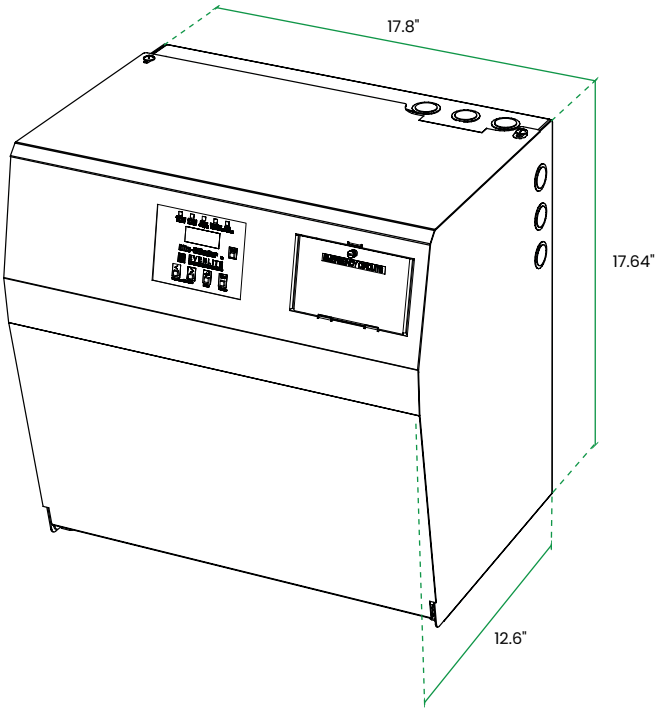
1 Only Available on 325 and 525 Units
2 Total number of breakers not to exceed four
3 All Switched Load Output Breakers can only be configured to one Switch Command Signal
4 Maintained
5 Available only on the 325/525 with LC Batteries
6 DT option not available when adding 4th Breaker
7 Two Position Closes on Alarm, Rated 5 A @ 277 VAC
8 8 msec, not suitable for HID loads
9 Electronics are warranted for 3 years, extended out to 5 years with the purchase of Factory Phone Startup (option PS).
10 Not Seismic Certified

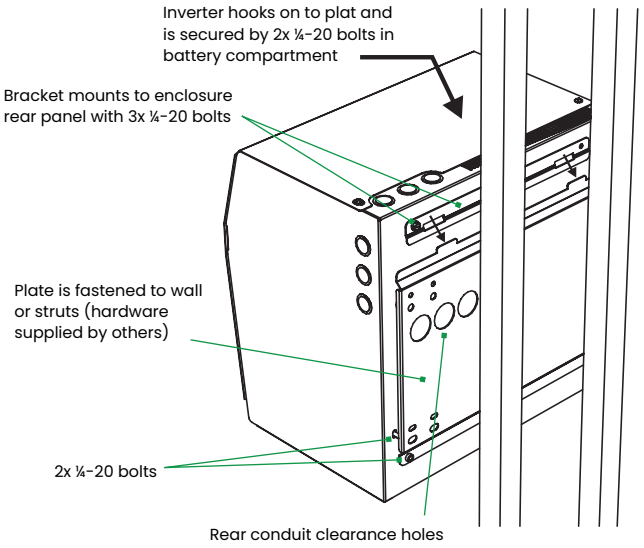
Fill in fields from categories above and complete type and part number.

Type No:

Full Part No:

DIMENSIONS



MOUNTING

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