























### 5.2.4 Floor Preparation

Mounting holes shall be provided in the base of each inverter cabinet. Each hole will accommodate 3/8" mounting hardware. It is recommended that all four holes are used when securing this unit. The floor shall support the dimensions and weight listed in "Section 8.0 Dimensions and Weights".

## 5.3 Best Practices

The following suggestions are recommended by the manufacturer based upon the substantial base of installed products throughout the world.

### 5.3.1 Inspection

Upon receipt of the inverter from the freight shipping company, inspect all cabinets and/or boxes for damage or potential impact. Should any damage be present, take pictures and fully document the occurrence. Any damage should be notated on the shipping carrier's *Bill of Lading*. This information should then be communicated to your local inverter representative.

### 5.3.2 Cabinet Modification

At no time, should any inverter cabinet be modified. This includes drilling and cutting into the cabinet. Drilling or cutting the cabinet will cause metal shavings to be present which could ultimately fall onto electrical components causing a short in the unit. If you believe modification of the cabinet is necessary, please contact Inverter Tech Support to discuss.

## 6.0 Breaker Configuration

The standard output configuration on all inverters shall be Normally On. Breakers can be added to any output type. Breakers shall be a UL 489 type approved for field wiring and maintain a 65KAIC rating.

(See ordering guide for available breaker and trip alarm configurations)

### 6.1 Normally On Output

Shall be energized 24/7 in all modes.

### 6.2 Normally Off Output

Shall only be energized in Emergency Operation Mode.

### 6.3 Switched Output

Shall be energized/de-energized with a switched command signal. In Emergency Operation Mode the load shall be energized regardless of the switch command signal.

### 6.4 Trip Alarm

This is an additional option for all circuit breaker load types. When tripped, the inverter shall set off audible and visible alarms.



## 7.0 Options

### 7.1 Trip Alarm (option code - TA)

When Trip Alarm Breakers are purchased, the inverter shall monitor each of those outputs for tripping. If any of the breakers trips, the unit will broadcast an alarm.

### 7.2 Terminal Block (option code - TB)

1 Summary / 2 Programmable terminal blocks. Allows inverter operations to be output to a BMS System via a Form C dry contact closure. The programmable terminal block can be field or factory configured for the following:

- A. AC Present
- B. Battery Charging
- C. High Temperature Alarm
- D. Utility Failure Alarm
- E. Near Low Battery Alarm
- F. Low Battery Alarm
- G. High VAC Alarm
- H. Low VAC Alarm

### 7.3 Internal Maintenance Bypass Switch (option code - MB)

This internal switch shall bypass all inverter operations when activated. Upon activation, the input power is directly connected to output breakers, allowing the inverter to be safely serviced.

### 7.4 Delayed Transfer (option code - DT)

This slows down the Fast Transfer time of 2mS to a standard transfer time of 50mS

### 7.5 Seismic Certified (option code - Z4)

The inverters are seismic certified with OSHPD Preapproval of Manufacturer's Certification (OPM) when the Seismic Zone 4 (Z4) option is included. Inverters were shake table tested to ICC-ES AC 156 code and Seismic Certified. All inverters are compliant to International Building Code (IBC) / California Building Code (CBC) 2016.

### 7.6 Remote Annunciator (option code - RA)

The Remote Annunciator (RA) option is available on all Modular Inverters. This remote panel can be located near the end-user monitoring the system, should the inverter be located in an inconvenient area or an area not easily accessible

### 7.7 Keyed Lock (option code - KE)

This option shall add a lock and key to the cabinet to prevent unauthorized entry.



**7.8 Maintenance Plan (option code - M(n); (n)=years)**

Once per year the manufacturer's technician shall visit the site to perform maintenance and software upgrades as needed. Maintenance shall include battery voltage checks, torque setting verification, cleaning, and a thorough visual inspection. All electronics warranties shall be extended to the duration of the Maintenance Plan. Maintenance Plans can be purchased for a duration of 1 year to 5 years.

**7.9 Extended Warranty (option code - EW)**

Extended Warranty can be purchased if the Factory Startup (FS) option has been purchased with the unit. The extended warranty period shall be for 5 years. For more information please see "Section 9.0 Warranty".

**7.10 Factory Startup (option code - FS)**

Factory Startup shall include a visit from a factory certified technician for inverter activation and demonstration. This option automatically extends the factory warranty from 2 years to 3 years.

**7.11 Extended Battery Life (option code - EB)**

This option shall extend the battery warranty to be 1 year full coverage without charge and 19 additional years of Pro-Rata coverage.

**7.12 Emergency Power Off Switch (option code - EO)**

This option includes an externally mounted Emergency Power Off (EPO) switch and provisions for connecting through an internal terminal block. The EPO option allows complete shut-down of all Inverter operation and is intended to be used in conjunction with Fire Safety and NFPA requirements.

**8.0 Dimensions/Weights**

Phase	Power		# of Cabinets	Width (in.)	Height (in.)	Depth (in.)	Inv. Cabinet	Battery Cabinet	Battery	Shipping
	Rating (kW)	EvenLite Model #					Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)
Three-Phase (3P)	3	LM3000	2	24	38	13	235	108	468	811
	4.2	LM4200	2	32	50	23	590	270	624	1484
	5.2	LM5200	2	32	50	23	590	270	780	1640
	6.25	LM6250	2	32	50	23	590	270	936	1796
	8.25	LM8250	2	32	50	23	590	270	1248	2108
	10.5	LM10500	2	32	50	23	590	270	1560	2420
	12.5	LM12500	2	32	50	23	590	270	1872	2732
	15.75	LM15750	3	32	50	23	590	540	2340	3470
18.75	LM18750	3	32	50	23	590	540	2808	3938	

**9.0 Warranty**

**9.1 Electronics Warranty**

Refer to standard *Central Power Systems Warranty* policy, which is available for download on the manufacturer’s website. All information within the Central Power Systems Warranty supersedes this document.

**9.1.1 Standard Manufacturer Warranty**

The standard manufacturer’s electronics warranty shall be for a period of 2 full years.

**9.1.2 Enhanced Manufacturer Warranty**

The enhanced manufacturer’s electronics warranty shall be for a period of 3 full years, if optional Startup Commissioning (FS) is included.

**9.1.3 Extended Manufacturer Warranty**

The extended manufacturer’s electronics warranty shall be for a period of 5 full years, if options Extended Warranty (EW) and Startup Commissioning (FS) are included.



## 9.2 Battery Warranty

Refer to standard *Central Power Systems Warranty* policy, which is available for download on the manufacturer's website. All information within the Central Power Systems Warranty supersedes this document.

### 9.2.1 VRLA Batteries

The manufacturer's warranty on VRLA batteries follows the following warranty schedule:

Repair or Replacement without charge – 1 year

Pro-Rated Charge Repair or Replacement – 9 years

### 9.2.2 Pure Lead Batteries

The manufacturer's warranty on Pure Lead batteries follows the following warranty schedule:

Repair or Replacement without charge – 3 years

Pro-Rated Charge Repair or Replacement – 10 years

### 9.2.3 Extended Battery Life Option

The Extended Battery Life option shall extend the battery warranty to be the following:

Repair or Replacement without charge – 1 year

Pro-Rated Charge Repair or Replacement – 19 years

## 10.0 Support & Resources

Initial point of contact: Please contact your local inverter representative

Manufacturer Support: Evenlite Technical Support 1-800-526-5088

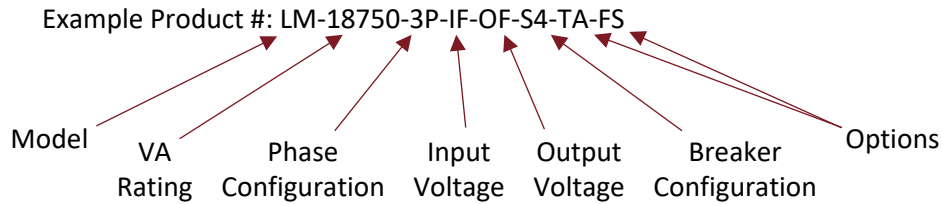
[quotes@evenlite.com](mailto:quotes@evenlite.com)

<https://www.evenlite.com/central-inverter-systems/>

**\*NOTE:** Phone Assisted Startup is available from the manufacturer. Contact technical support to schedule a representative for phone startup.



**11.0 Ordering Instructions (Part Number)**



Model	VA Rating	Phase Config	Input Voltage	Output Voltage	Output Breaker Configuration	Options					
<b>LM</b>	<b>3000</b>	<b>3P</b> Three Phase	<b>IF</b> 120V/ 208V (L-N/L-L)	<b>OF</b> 120V/ 208V (L-N/L-L)	<b>C(n)</b> - 20A Normally On	<b>TA</b> Trip Alarm for all circuit breakers 1 Summary / 2 Programmable					
	<b>4200</b>				<b>O(n)</b> - 20A Normally Off	<b>TB</b> Terminal Block for form C dry contacts					
	<b>5200</b>				<b>S(n)</b> - 20A Switched Output		<b>MB</b> Internal Maintenance Bypass Switch				
	<b>8250</b>				<b>(n)</b> - Quantity Required			<b>BI</b> BACnet Integration Module			
	<b>10500</b>				<b>BB</b> - Indicates Special Breaker Current Requirement (Contact Factory)				<b>DT</b> Delayed Transfer, 60ms		
	<b>12500</b>				<b>IG</b>					<b>Z4</b> Seismic Zone 4 Certified (includes KE)	
	<b>15750</b>		<b>OG</b>	<b>RA</b> Remote Annunciator							
	<b>18750</b>		277V/ 480V (L-N/L-L)		<b>KE</b> Keypad Lock (Keyed Enclosure)						
	<u>3000VA</u>					<b>WM</b> Wall Mount Kit (1KW only)					
	6x20A		Normally On w/o TA				<b>FS</b> Factory Startup (Onsite Commissioning)				
	3x20A		Normally On w/ TA					<b>EW</b> Extended Warranty to 5 years (requires FS option)			
	3x20A		Normally Off						<b>M(n)</b> Maintenance Plan, (n)=years [Min: 2 / Max: 5]		
3x20A	Switched	<b>EB15</b> Extended Battery Warranty to 15-years, 1-full year and 14 years pro-rated									
<u>4200 - 18750VA</u>					<b>EB20</b> Extended Battery Warranty to 20-years, 1-full year and 19 years pro-rated						
24x20A	Normally On w/o TA		<b>UP</b> Ship Inverter less batteries								
15x20A	Normally On w/ TA			<b>EPO</b> Emergency Power Off							
12x20A	Normally Off										
12x20A	Switched										



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