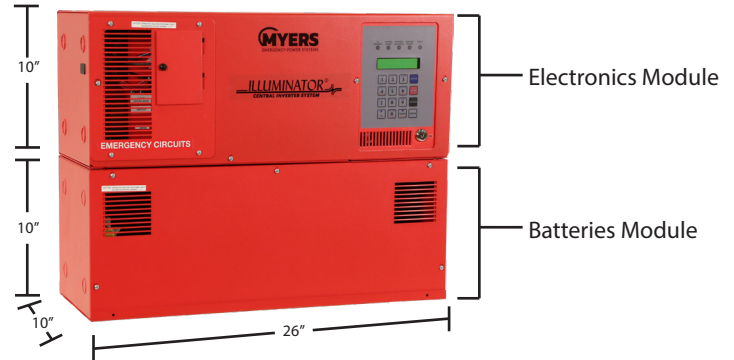


## Illuminator CM

Emergency Lighting Inverter System

Single Phase Modular Systems  
500 VA/W to 2000 VA/W

The Illuminator CM Series Inverter is UL 924 Listed and meets or exceeds the requirements of OSHA for emergency lighting and power. Additionally, it is NFPA70, NFPA101, NFPA110, UBC, and SBCCI and New York City approved.



The system's small footprint and modular design allows users to upgrade the unit in the field.



### STANDARD FEATURES

- 98% Efficient
- 90 Minute Run Time
- Compatible With All Lighting Loads Including LED and HID
- Users Can Separate Inverter and Battery Modules
- Microprocessor Controlled, 2x20 Character Display with Touch Pad Controls Front Panel Interface
- Maintenance-Free Sealed Lead Calcium VRLA Batteries
- Circuit Breaker and Fuse Access Panel for Easy Maintenance
- Self Testing And Diagnostic With Event, Test And Alarm Logs

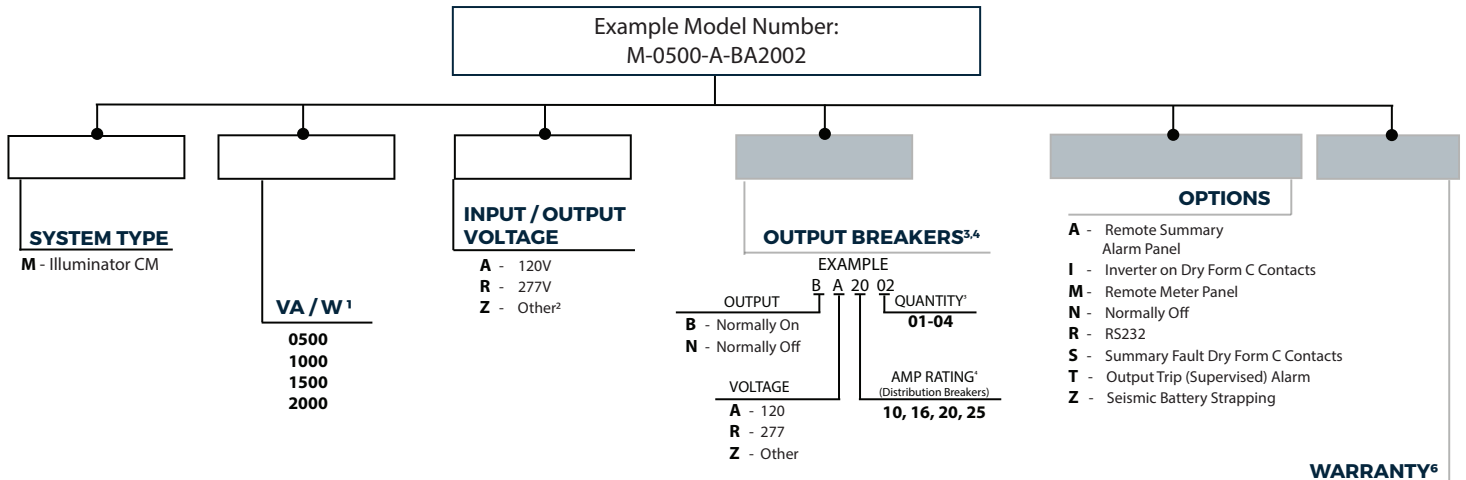
### OPTIONAL FEATURES

- RS-232 Interface
- Summary Alarm Dry Contact
- Extended Run Times
- Wall Mount Brackets
- Output Circuit Breakers
- Circuit Breaker Trip Alarm
- Normally Off Output

### SPECIFICATIONS

- Input Voltage 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output Voltage 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output Load Power Factor .5 Lag to .5 Lead
- Floor or Wall-Mountable
- Output Distortion Less than 3% THD for Linear Loads
- Other Voltages Available
- 90 Minute Runtime Standard; Other Runtimes Available Upon Request

# ORDERING GUIDE



1. VA = W
2. Contact Factory. May affect enclosure size.
3. Maximum output breaker quantity is 4 without trip alarm or 2 with trip alarm.
4. Standard output breaker is 25A, 1-pole for 120V systems or 10A, 1-pole for 277V systems. When optional breakers are ordered, standard breaker is not provided.
5. Requires R (RS232) Option.
6. Needed to mount inverter in horizontal position on wall. Required when option Z (Seismic Battery Strapping) is selected.
7. Adds 5" to system height.
8. 1-Year warranty is standard.

- ACCESSORIES**
- MOD** - Modem
  - W** - Wall Mount Bracket
  - F** - Floor Mount Bracket

- 2YW** - Start Up & Same Day Training
- 5YP** - 5-Year Preventative Maintenance Plan, Start Up Included
- 5YW** - 5-Year Extended Electronics Warranty
- SMP** - Service Monitoring Plan<sup>7</sup>

= Required feature for part number.  
 = Optional feature. Not required for part number.

## DIMENSIONS

### Electronics Module

Model Number	Power Rating (VA / W)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	System Voltage				Electronics Cabinet Dimensions			
					120 VAC		277 VAC		Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)
					Max. Input Current (A)	Max. Output Current (A)	Max. Input Current (A)	Max. Output Current (A)				
M 500	500	98	45	34	5.2	4.16	2.3	1.8	26 / 66.04	10 / 25.4	10 / 25.4	72 / 33
M 1000	1000	98	45	68	10.5	8.33	4.6	3.61	26 / 66.04	10 / 25.4	10 / 25.4	72 / 33
M 1500	1500	98	45	102	15.62	12.5	6.8	5.41	26 / 66.04	10 / 25.4	10 / 25.4	72 / 33
M 2000	2000	98	45	136	20.8	16.6	9.1	7.22	26 / 66.04	10 / 25.4	10 / 25.4	72 / 33

### Batteries Module (90 Minutes @ Full Load)

Model Number	90 Minutes Batteries (lbs / kg)	Number of Batteries	Current (ADC)	Battery Cabinet Dimensions			Quantity of Battery Cabinets (26" x 10" x 10")	Total System Weight Electronics Module + Batteries Module (lbs / kg)
				Width (in / cm)	Height (in / cm)	Depth (in / cm)		
CM 500	108 / 49	4	13.5	26 / 66.04	10 / 25.4	10 / 25.4	1	281 / 128
CM 1000	216 / 98	8	26.5	26 / 66.04	20 / 50.8	10 / 25.4	2	405 / 184
CM 1500	324 / 147	12	40	26 / 66.04	30 / 76.2	10 / 25.4	3	494 / 225
CM 2000	432 / 196	16	56	26 / 66.04	40 / 101.6	10 / 25.4	4	603 / 274

