

# COOPER LIGHTING - SURE-LITES®

## DESCRIPTION

The Sure-Lites Lifeway II Micro Series fast transfer inverter is a lightweight, compact unit that takes the place of larger cabinets when space is at a premium. The modular design allows the Micro Series inverter to be configured to meet varying KW requirements from 500W to 2000W. The Micro can be configured at the factory to meet the specified job load requirements, or it can be field-configured at the job-site when an upgrade or downgrade in load capacity is needed.

Catalog #	Type	
Project		
Comments	Date	
Prepared by		

## SPECIFICATION FEATURES

### Electrical

- Choice of 120V or 277 VAC, 60Hz Other voltages available. Consult Cooper Lighting Representative.
- Available from 500 to 2000 Watts
- Single phase
- Field upgradeable from 500W to 2000W
- Self Testing and Self Diagnostic with Event, Test and Alarm Logs (includes 5 minute monthly test and 90 minute annual test)
- User programmable with password protection for alarms and diagnostics
- 98% efficient in standby mode - no fan needed for cooling
- Battery, Input and Output Protection Circuit Breakers
- Maintenance-Free Sealed Lead Calcium Batteries

### Housing Construction

- Formed 16 gauge steel housing is finished in a durable powder coat finish
- Small footprint, lightweight size allows for wall and floor mounting
- Front circuit breaker and fuse access panel for easy routine maintenance
- Electrical knockouts for easy contractor connection and installation
- Modular design for ease of installation when space is at a premium.

### Application

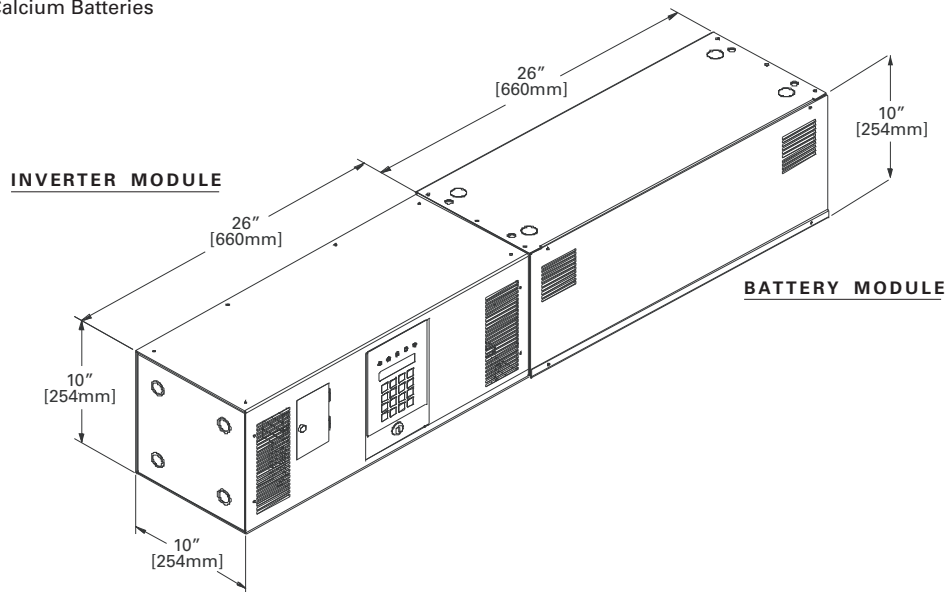
- HID, Fluorescent and Incandescent Lighting

### Warranty

- Limited Manufacturer's One (1) Year Warranty On All Electronics\*
- Limited Manufacturer's Two (2) Year Warranty On All Electronics with Start-Up Service\*
- Limited Manufacturer's Battery Warranty: One (1) Year Full Value Warranty/ 9 Years Pro Rata\*

### Code Compliance

- UL 924 Listed
- Meets NFPA 101 Requirements
- City of Chicago Approved



## MICRO INVERTER SERIES

500 VA - 2,000 VA

HID  
FLUORESCENT  
INCANDESCENT

CHICAGO CODE  
EMERGENCY LIGHTING

ON-LINE POWER  
INVERTER SYSTEMS

Single Phase - UPS  
Emergency Lighting  
Systems

## ORDERING INFORMATION

Series	VA Rating	Voltage Input	Voltage Output
CMFT- Micro Inverter	005: 500 010: 1000 015: 1500 020: 2000	120 277	120 277

Notes: \* See Optional Features on back.

## SPECIFICATION DATA

<b>Input:</b>		
Voltage	120 or 277 VAC, Two wire plus ground, +10/-15%	
Input Frequency	60 Hz, +/-3 Hz	
Synchronizing Slew Rate	1Hz per second	
Protection	Input Circuit Breaker	
<b>Output:</b>		
Voltage	120 or 277 VAC, Three Wire	
Current Crest Factor	2.8 = peak/rms	
Voltage THD	<3% THD for Linear Load	
Output Frequency	60 Hz +/- 0.05 Hz Crystal Controlled	
Inverter Overload	115 % for 5 minutes	
Voltage Regulation	+/- 3% for +/- 25% load step change	
Protection	(1) Output Circuit Breaker	
<b>Battery:</b>		
Type	Sealed Lead Calcium VRLA	
Protection	Battery Circuit Breaker	
String Voltage	48 VDC for all models	
<b>Environmental:</b>		
Altitude	<10,000 feet without derating	
Operating Temperature	20 to 30 degrees C	
Storage Temperature	-20 to 70 degrees C (Electronics Only)	
Relative Humidity	<95% (non-condensing)	
<b>Physical:</b>		
Electronics Enclosure	Dimensions = 10" x 10" x 26"	
	Weight = 77 lbs (35 kg)	
Battery Enclosure	Dimensions = 10" x 10" x 26"	
	Weight = 22 lbs (10 kg) per module w/o batteries; 107 lbs per module with batteries	
<b>General Features:</b>		
Microprocessor controlled, 2 x 20 character display with touch pad controls, front panel interface		
Standard Metering – Voltage In, Voltage Out, Current Out, Battery Voltage, Battery Current, Temp, Date, Inverter Hours, System Days, VA, Inverter Watts		
Standard Alarms – Output, Inverter, Charger, Low Battery, Near Low Battery, High Temp, Load Reduction, Overload, Overload Shutdown,		
Low Voltage, High Voltage, Circuit Breaker Trip		
Standard Logs – Alarm Log (Total 75), Event Log (Total 75), Test Log (Total 50)		
Programmable setpoints are password controlled with user and service levels		

**Optional Features:**

Circuit Breaker Trip Alarm, Normally Off Output, RS-232, Summary Alarm Dry Contact, Extended Runtime, Up to (2) additional output circuit breakers

## LIFEWAY II MICRO SERIES SYSTEM PART NUMBER/RATING/MECHANICAL SPECIFICATIONS

Part Number	Wattage Rating	VA Rating	Input Voltage	Output Voltage	Battery Weight (lbs.)	System Weight (lbs.)	Cabinet H" x W" x D"	Cabinet Qty
CMFT005	500	500	120 or 277	120 or 277	107	206	10x26x10	2
CMFT010	1000	1000	120 or 277	120 or 277	214	335	10x26x10	3
CMFT015	1500	1500	120 or 277	120 or 277	321	464	10x26x10	4
CMFT020	2000	2000	120 or 277	120 or 277	427	592	10x26x10	5