

## 1000W High Capacity Mini Inverter Series

Interruptible unit equipment 1000W



### Housing

- 14-gauge steel
- White semi-gloss powdered-coat paint finish

### Mounting

- Surface mount

### Compatible loads

- LED
- Incandescent
- Fluorescent
- Operating switched, normally-on or normally-off fixture types
- Triac dimming
- 0-10V Dimming
- DALI dimming – consult factory<sup>1</sup>

### Load capacity

- 1000W
- Line voltage allows for remote mounting of the emergency fixtures at distances up to 1000 feet

### Electronics

- High-efficiency pure sine wave inverter
- Temperature compensated charger
- Replaceable output fuse protection
- Low battery voltage disconnect
- Unit comes standard with electronic lockout and brownout circuits

<sup>1</sup>When using Hi-Bay fixtures or screw in type lamps, please consult the factory.

### Controls

- Standard with a **non-audible advanced self diagnostic & self-testing** microcontroller- based system
- Optional **audible Advanced Diagnostics** available
- Optional **Non-Advanced Diagnostics** available
- **Non-Advanced Diagnostics** option for applications with emergency power controls
- Standard lighting control override for 0-10V dimming systems
- Optional 4 output circuits allow for multiple zone application
- Optional load shedding to dim 0-10V light fixtures connected to an emergency inverter system

### Load shedding

- During a power outage the emergency fixture is dimmed at field selectable level of 25%, 40% or 45% brightness output. Reducing wattage draw from the fixture will allow for more fixture to be connected to the Mini Inverter.
- Emergi-lite 1000W Mini inverter with 4C-24V option must be used in conjunction with RTS load shedding control device (Ordered separately)
- The EMIU-1000-4C-24V when in normal mode can accept a maximum of 1000watts per circuit.
- Maximum 20 Emergency fixtures can be daisy chained to each RTS
- One RTS required for each circuit (Ordered separately)

For use of more than 4 RTS control devices contact factory

Note: May accept load to it's full capacity when load feature power factor a 0.8

### Sealed maintenance-free battery

- 12V valve regulated lead-calcium (VRLA) batteries
- Provides minimum 90 minutes of emergency operation power requirements
- Choice of voltage 120V input/120V output or 277V input/277V output operation, 60Hz

### Approvals

- UL 924 Standard
- Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements

### Warranty

- Unit has a three-year warranty
- Detailed warranty terms located on page 202 or online at:  
[www.emerji-lite.com/usa/files/EL\\_Warranty.pdf](http://www.emerji-lite.com/usa/files/EL_Warranty.pdf)

## Specifications

Transfer time	Voltage regulation on emergency	Frequency regulation on emergency	Load power factor range	Operating temperature
Less than 1 second	+/- 3%	60 Hz +/- 1%	0.8 at 120V 1 at 277V	68° to 86°F (20° to 30°C)

## Replacement battery

Description	Part number
EMIU-1000	4X 860.0043-E

## Electrical characteristics and dimensions

Power rating	Sine wave	Installation	Cabinet dimensions			No. of batteries	Total weight	Weight w/o battery
			Width	Height	Depth		120V & 277V	120V & 277V
1000W	Pure	Wall / floor	24"	40.75"	10.5"	4	266 lbs	114 lbs
1000W-4C	Pure	Wall/ floor	24"	40.75"	14.5"	4	350 lbs	198 lbs

## Power consumption and unit rating

Model number	AC specs	Emergency power available for load				
		90 Min	2H	3H	4H	
EMIU-1000	120/277VAC	12.8 / 5.3 Amps	1000W	807W	604W	489W

## How to order

Series	Capacity	Voltage	Diagnostic feature	Options
EMIU	-1000= 1000W	Blank= 120/120VAC or 277/277VAC	-Blank= Advanced-diagnostic, non-audible <sup>1</sup> -AD= Advanced-diagnostic, audible <sup>1</sup> -NAD= No auto test/ No advanced-diagnostics -NEX= Nexus® wired -NEXRF= Nexus® wireless	-D3= Time delay (15 minutes) -SAC= Service alarm contact <sup>2</sup> -4C= 4 output circuits -4C-24V= 4 output circuits plus 24VDC output <sup>3</sup>

Example: EMIU-1000-4C

<sup>1</sup> Minimum load required: 10% of unit capacity

<sup>2</sup> Service alarm contact (SAC) shall be provided a 24V signal, the charger board will indicate a fault by closing a contact.

<sup>3</sup> Can only be used with RTS-0-10V-24-E for load shedding applications.

## RTS Series

## 0-10V dimming load shedding control



## How to order

## Series

RTS-0-10V-24V-E= 24V 0-10V dimming load shedding control<sup>1</sup>

Example: RTS-0-10V-24V-E

<sup>1</sup> Can only be used with EMIU-1000-4C-24V

