

1000W High Capacity Mini Inverter Series

Interruptible unit equipment 1000W



Housing

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

Mounting

- Surface mount

Compatible loads

- LED
- Incandescent
- Fluorescent
- Operating switched, normally-on or normally-off fixture types
- Triac dimming
- DALI dimming – consult factory

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

Controls

- Standard with a non-audible self diagnostic/charger is fully self-contained, fully automatic microcontroller- based system
- Optional audible auto diagnostic available
- Optional no Advanced Diagnostics available
- No Advanced Diagnostics option must be selected in conjunction with transfer switches
- Standard lighting control override for 0-10V dimming systems
- Optional 4 output circuits allow for multiple switch compatibility

Sealed maintenance-free battery

- 12V valve regulated lead-calcium (VRLA) batteries
- Provides 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 178 or online at: www.emergi-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 ¹ -AD= Advanced-diagnostic, audible ¹ -NAD= No auto test/ No advanced-diagnostics -NEX= Nexus® wired -NEXRF= Nexus® wireless	-D3= Time delay (15 minutes) -SAC= Service alarm contact ² -4C= 4 output circuits

Example: EMIU-1000

¹ Minimum load required: 10% of unit capacity

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