

E3MINI

Pure Sine Wave Mini Inverter

DATE:

PROJECT

COMMENTS:

FEATURES

- Field-selectable 120 or 277 VAC input/output
- Four Independent Outputs with user configurable Normally-Off / Switched output types. One dedicated Normally-On, 3 configurable Switched/Normally-Off outputs
- Microprocessor controlled Pure Sine Wave output with less than 3% THD and Crest Factor up to 10X (125W), 5X (250W)
- Advanced Startup, Charger and Inverter Diagnostics prevent failures from wiring errors, overloads and application issues
- Front facing module allow for easy field wiring of AC input/output wires and all system connections/interfaces
- Advanced hysteretic ultra-efficient charger improves efficiency and extends battery lifetime
- UL 924 and CSA 22.2 approved
- Includes Self-Testing/Self Diagnostics
- Optional internal DALI/0-10V dimming interface allows for up to 3 independent zones and allows 5 different dimming presets to adjust emergency lighting levels.
- High Purity, Premium Valve Regulated Lead Acid (VRLA) with Lead-Calcium plates provide long life and durability
- Max Connected Load when using Dimming Feature is 375W



ORDERING INFORMATION *E3MINI-125-LC-MB*

1. SERIES	2. VA RATING	3. BATTERY TYPE	4. MOUNTING	5. OPTIONS
E3MINI	-	LC	MB	-
	125 125VA 250 250VA	LC Lead Calcium	MB Back Mount	BLANK = NO OPTION FD 3 Zone 0-10V/DALI Dimming & Fire Alarm Interface RT Remote Diagnostic Status Display Panel AA Audible Alarm (Buzzer) CL Canada Listed Z4 Seismic Zone 4 Restraints EB Extended Run Time (2h)*

ORDERING NOTES

- Capacity reduced to 100VA & 200VA*

ACCESSORIES

- E3MINI-FPS = E3MINI 125/250 Factory Phone Startup

INPUT

- Voltage: 120 or 277 VAC – field configurable
- Current: 2.7A (120V), 1.2A (277V) for 250 Watt Model
- Current: 1.4A (120V), 0.6A (277V) for 125 Watt Model
- Frequency: 60Hz +/- 2 Hz
- Protection: Easy access 8A fast acting 5x20 mm fuse.
- Power Factor: 0.5 lead to 0.5 lag

OUTPUT

- Voltage: 120 or 277 VAC – matches input selection
- Current: 2.08A (120V), 0.9A (277V) for 250 Watt Model
- Current: 1.04A (120V), 0.45A (277V) for 125 Watt Model
- Frequency: 60Hz +/- 0.02 Hz crystal controlled during emergency mode
- Overload: 110 percent will generate overload fault
- Configurable Transfer Times: 50mS, 1s (default), 2s
- Output Distortion: Less than 3% THD
- Crest Factor: 10X for 125W and 5X for 250W model
- Load Power Factor: 0.5 lead to 0.5 lag
- Output Types: 1x Normally-On, 3x configurable Normally-Off/Switched
- Max Connected Load w/ Dimmer option: 375W (In Non emergency Mode)

BATTERY

- Type: Premium Long Life Valve-Regulated Lead Acid (VRLA)
- Charger: 3 rate with Temperature Compensation
- Recharge Time: 24 Hour recharge
- Protection: Automatic Low Voltage Disconnect (LVD) set at 1.67 VPC
- Automatic restart upon utility return
- Runtime: 90 Minutes at 25C°
- DC Voltage: 24 VDC Nominal, 2.27 VPC float, temperature compensated
- DC Current: 6.2/12.4 ADC Nominal for 125W/250 Watt model respectively

ENVIRONMENTAL

- Operating Temp: 20C° to 30C°
- Storage Temp: Electronics - 20C° to 70C° Batteries - 0C° to 40C°
- Relative Humidity: <95 % (non-condensing)

PHYSICAL

- Cabinet: NEMA Type 1 enclosure, 16 AWG powder painted CRS
- Cooling: Natural Convection – No fans

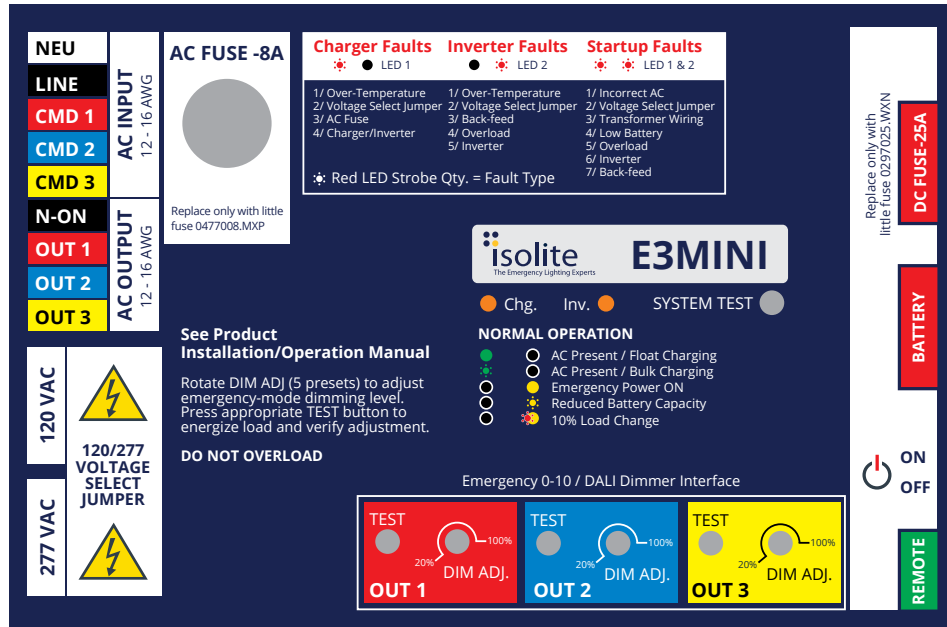
APPROVALS

- UL924
- OSHPD Seismic Certified (with Z4 option)
- New York City approved, Calendar Number 51575
- NFPA101 Life Safety Code
- NFPA70-NEC
- OSHA
- NEMA Type 1 enclosure
- CEC Title 20 Compliant

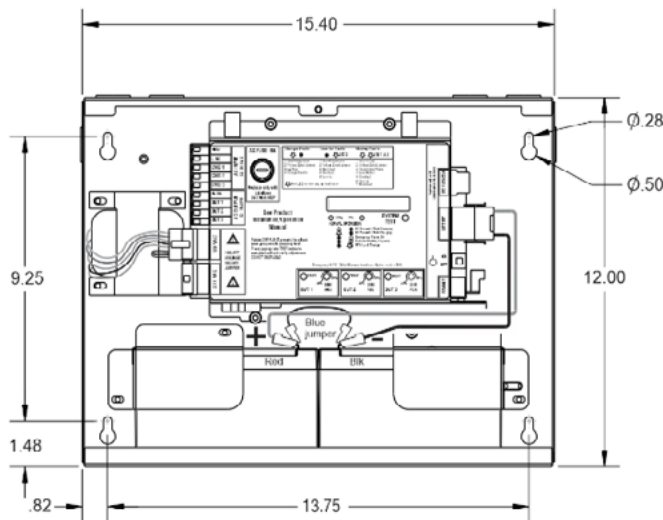
WARRANTY

- Isolite warrants the E3 Series electronics assembly against defects in material and workmanship for a period of 3 years
- Isolite warrants the lead calcium batteries for 1 year full and 9 years pro-rata limited
- For further details, refer to General Warranty and Obligations in the Isolite manual or on our website

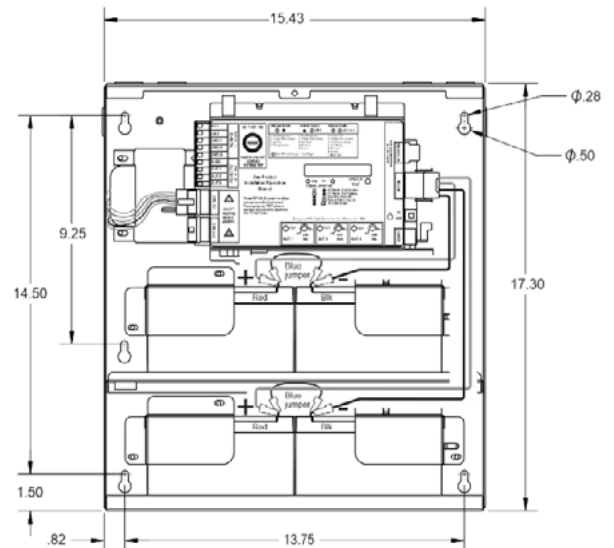
FRONT PANEL



DIMENSIONS



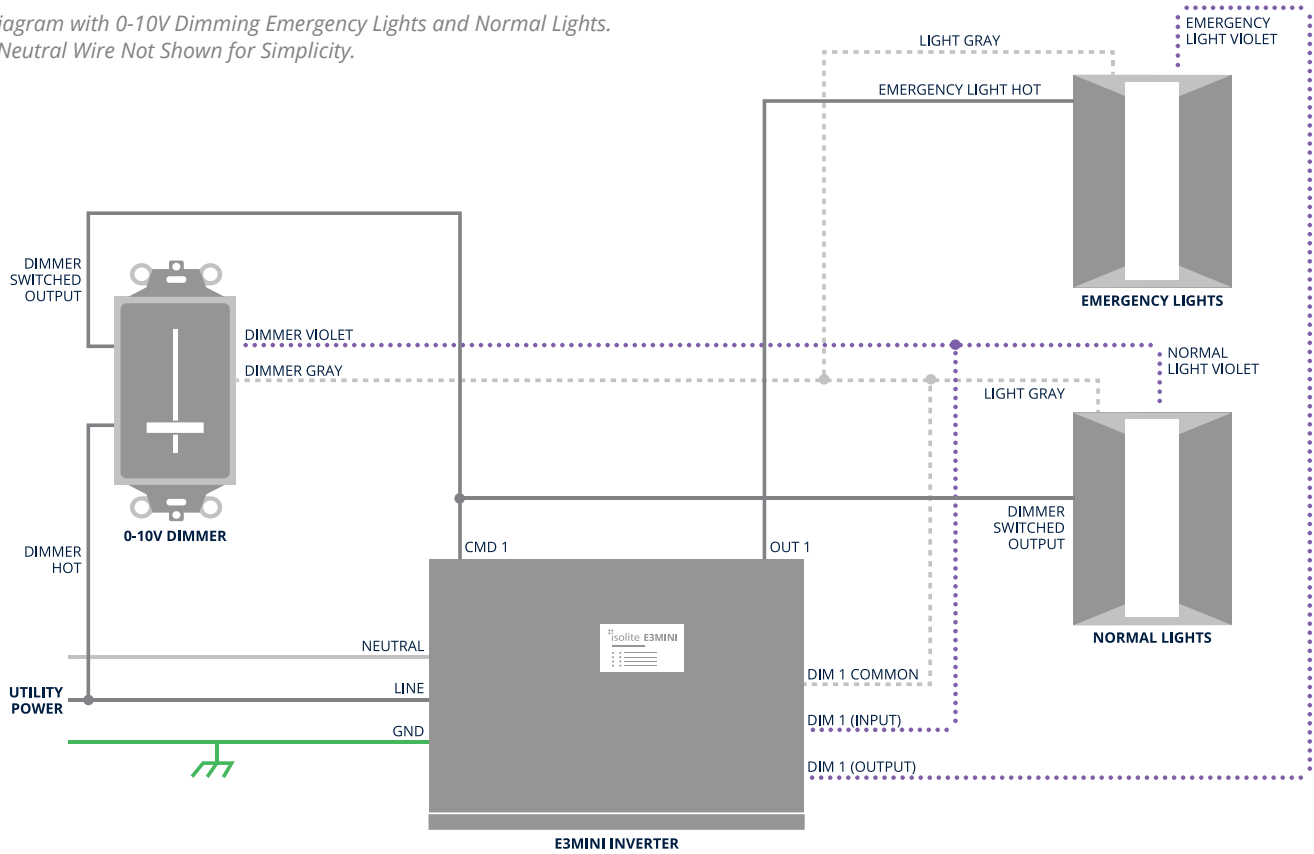
E3MINI 125W



E3MINI 250W

MINI INVERTER WITH DIMMING INTERFACE OPTION

Wiring Diagram with 0-10V Dimming Emergency Lights and Normal Lights.
Lighting Neutral Wire Not Shown for Simplicity.



KNOCKOUT LOCATIONS

