

DATE:	COMMENTS:
PROJECT:	



## FEATURES

- Website monitoring – easily view, interact, and download records as needed on any PC or mobile device
- Programmable and password protected user interface
- 98% efficient for minimal BTU losses
- PWM Inverter provides pure sine wave output with less than 3% THD
- Crest factor >4 overload protection for demanding high in-rush loads
- Programmable transfer time – select between standard and fast transfer times for load and site compatibility
- UL listed 90 minute run-time
- Compatible with all lighting loads, including HID
- Variable time delay
- Battery recharges in less than 24 hours
- Two Phase output
- Start-Up Diagnostics checks for proper installation



## SEISMIC CERTIFIED

- Optional Zone 4 Seismic Restraints are shaker table tested and seismic certified to the latest California Building Code (CBC) 2016
- The shake table testing was performed in accordance with International Code Council-Evaluation Service Acceptance Criteria 156 (ICC-ES AC156)
- OSHPD (California Office of Statewide Health Planning and Development)

## ORDERING INFORMATION *E3MAC-2200-2P-IA-OA-C##-O##-S##*

1. SERIES	2. VA RATING	3. PHASE	4. INPUT VOLTAGE	5. OUTPUT VOLTAGE
<b>E3MAC</b>	-	<b>2P</b>	-	-
	<b>2200</b> 2200 VA Two Phase <b>4000</b> 4000 VA Two Phase <b>5000</b> 5000 VA Two Phase <b>6000</b> 6000 VA Two Phase	<b>8000</b> 8000 VA Two Phase <b>10000</b> 10000 VA Two Phase <b>12500</b> 12500 VA Two Phase	<b>IC</b> 208V (L-L) <b>ID</b> 240V (L-L) <b>IE</b> 480V (L-L)	<b>OC</b> 208V (L-L) <b>OD</b> 240V (L-L) <b>OE</b> 480V (L-L)

6. OUTPUT BREAKER - NORMALLY ON*	7. OUTPUT BREAKER - NORMALLY OFF*	8. OUTPUT BREAKER - SWITCHED*
<b>C2</b> 02 Normally On Breakers <b>C4</b> 04 Normally On Breakers <b>C6</b> 06 Normally On Breakers <b>C8</b> 08 Normally On Breakers <b>C10</b> 10 Normally On Breakers <b>C12</b> 12 Normally On Breakers	<b>C14</b> 14 Normally On Breakers <b>C16</b> 16 Normally On Breakers <b>C18</b> 18 Normally On Breakers <b>C20</b> 20 Normally On Breakers <b>C22</b> 22 Normally On Breakers <b>C24</b> 24 Normally On Breakers	<b>O2</b> 02 Normally Off Breakers <b>O4</b> 04 Normally Off Breakers <b>O6</b> 06 Normally Off Breakers <b>O8</b> 08 Normally Off Breakers <b>O10</b> 10 Normally Off Breakers <b>O12</b> 12 Normally Off Breakers
		<b>S2</b> 02 Switched Breakers <b>S4</b> 04 Switched Breakers <b>S6</b> 06 Switched Breakers <b>S8</b> 08 Switched Breakers <b>S10</b> 10 Switched Breakers <b>S12</b> 12 Switched Breakers

## 9. OPTIONS

### BLANK = NO OPTION

<b>MB</b> Maintenance Bypass Switch	<b>EBW20</b> Extended Battery Warranty	<b>TA</b> Trip Alarm with Breaker	<b>Z4</b> Seismic Zone 4 Restraints (Includes KE)
<b>CB</b> Custom Breaker	<b>EEW</b> Extended Electronics Warranty	<b>RA</b> Remote Annunciator includes TB	<b>WB</b> Wall Mounting Bracket
<b>DT</b> Delayed Transfer	<b>KE</b> Keyed Enclosure	<b>TB</b> Programmable Terminal Block	<b>BI</b> BMS Integration

NOTE: MAXIMUM NUMBER OF OUTPUT BREAKERS SUPPORTED DEPENDS ON SIZING AND OPTION SELECTION. CONTACT FACTORY FOR SPECIFIC DETAILS.



### OPTIONAL FEATURES

- Maintenance bypass switch
- Circuit breakers – supervised or unsupervised
- Maintenance contract/plan
- Remote Annunciator
- Factory startup – increases electronics warranty to 3 years
- Seismic Zone 4 – OSHPD approval, available July 2017
- Circuit breaker protected loads (Switched, Normally On, and Normally Off)
- Fault summary alarm and 2 programmable alarms – Form C dry contacts
- Keyed lockable enclosure

### FRONT PANEL

- Modern 4x20 LCD character display with white LED back-light
- Heads-up diagnostic LEDs include 5 status (AC present, battery charging, inverter power, system ready, switched load energized), fault summary LED, and 5 specific faults (unit in bypass, circuit breaker trip, startup fault, charger fault, inverter fault)
- Dedicated System Test button – initiates 30-second test with UL compliant diagnostics

- 5-button keypad for menu navigation
- Sonic alarm with dedicated enable/disable pushbutton with heads-up LED. Alarm silence has 24-hour ring-back for alarm reminder
- SD memory card – download and store all events, tests, and alarm logs (password protected)
- USB connector – access to all event, tests, and alarm logs (password protected)
- Ethernet – 10 BASE-T, TCP/IP web serving

### BATTERY

- Front access VRLA batteries with 10-Year pro-rated warranty

### TEMPERATURE RATING

- From 68°F to 86°F

### 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

### WARRANTY

- Isolite warrants the E3MAC series electronics assembly against defects in material and workmanship for a period of 2 years, or 3 years with factory startup option. Extended Warranty options available
- Isolite warrants the E3MAC series lead calcium batteries for a 1-year full and 9-year pro-rated limited warranty
- For further details, refer to General Warranty and Obligations in the Isolite manual or on our website

### NOTES

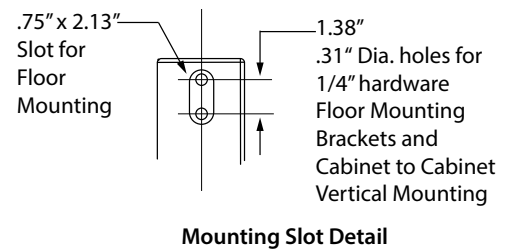
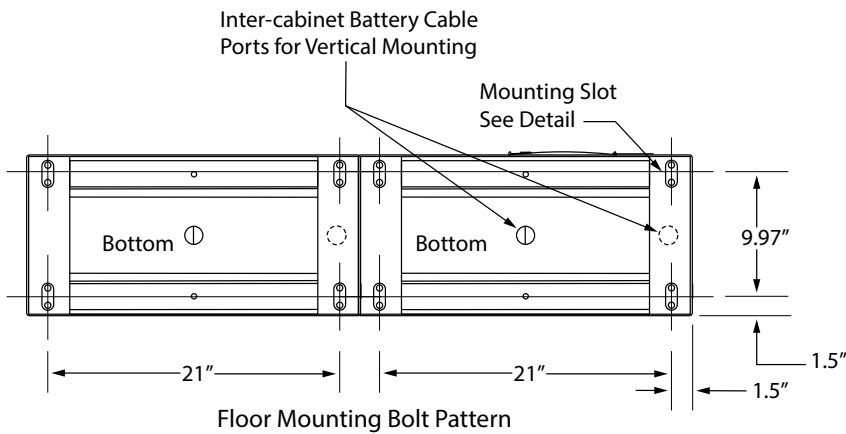
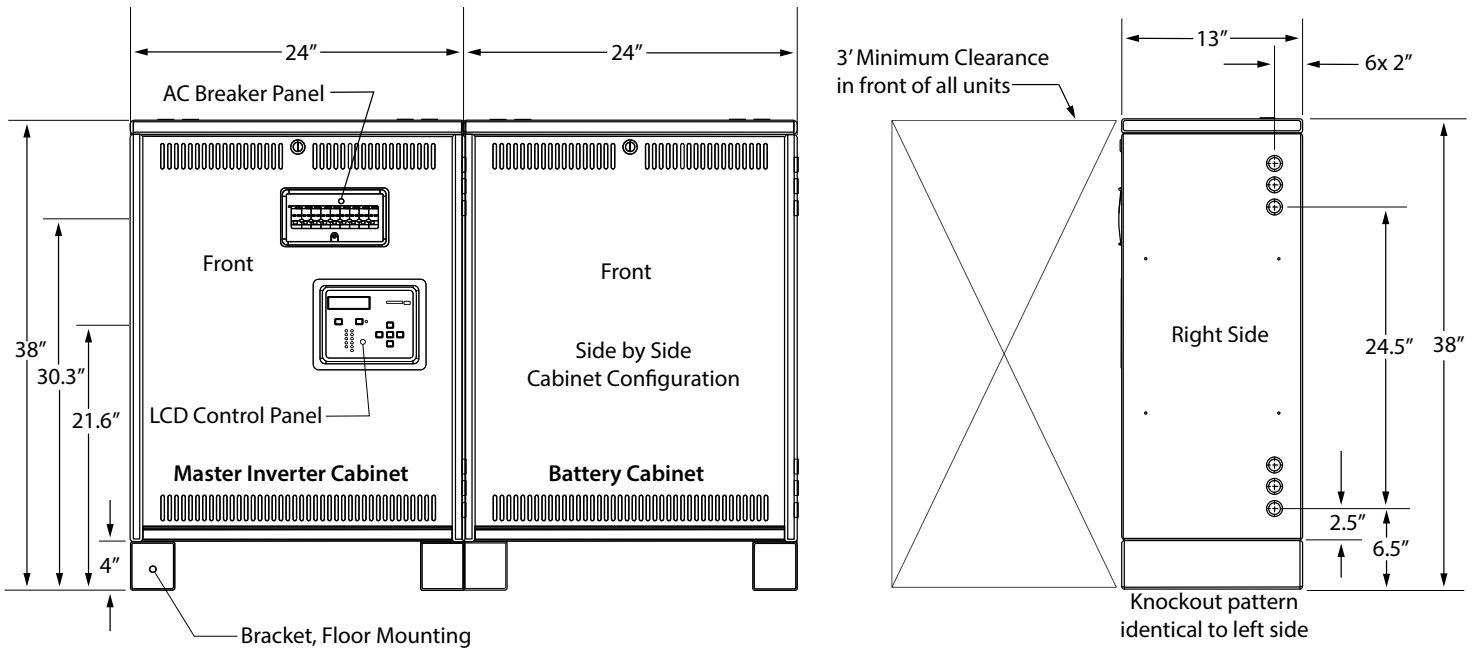
- Due to power factor calculations, we recommend only loading the E3MAC inverter to 90% of load wattage
- Max power for any phase (L-N, L-L) is 1/3 of total power capacity
- For Single Phase, Split Phase, or Three Phase, see E3MAC-1P, E3MAC-SP, or E3MAC-3P

### WEIGHT & DIMENSIONS

VA Rate	Cabinets	Inverter Cabinet Weight	Battery Cabinet Weight	Battery Count	Battery Weight	Pallet Count	Total Weight
2200	2	207	108	8	312	1	662
4000	2	445	300	8	680	3	1530
5000	2	445	300	10	840	3	1690
6000	2	445	300	12	1000	3	1850
8000	2	495	300	16	1320	3	2115
10000	2	495	300	20	1640	3	2435
12500	2	495	300	24	1960	3	2750

**DIAGRAMS**

Battery Cabinet mounted to the right side of Master Inverter Cabinet for proper battery cable routing from cabinet to cabinet.



**DIAGRAMS**

