

DATE:

PROJECT

COMMENTS:



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
- Single 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-1000-1P-IA-OA-C##-O##-S##*

1. SERIES	2. VA RATING	3. PHASE	4. INPUT VOLTAGE	5. OUTPUT VOLTAGE
E3MAC	-	1P	-	-
	1000 1000 VA Single Phase 1600 1600 VA Single Phase 2200 2200 VA Single Phase 2800 2800 VA Single Phase 3000 3000 VA Single Phase 4000 4000 VA Single Phase	1P Single Phase	IA 120V (L-N) IB 277V (L-N) IC 208V (L-N)	OA 120V (L-N) OB 277V (L-N)
	5000 5000 VA Single Phase 6000 6000 VA Single Phase 8000 8000 VA Single Phase 10000 10000 VA Single Phase 12500 12500 VA Single Phase			

6. OUTPUT BREAKER - NORMALLY ON*

C1	01 Normally On Breaker	C14	13 Normally On Breakers
C2	02 Normally On Breakers	C14	14 Normally On Breakers
C3	03 Normally On Breakers	C15	15 Normally On Breakers
C4	04 Normally On Breakers	C16	16 Normally On Breakers
C5	05 Normally On Breakers	C17	17 Normally On Breakers
C6	06 Normally On Breakers	C18	18 Normally On Breakers
C7	07 Normally On Breakers	C19	19 Normally On Breakers
C8	08 Normally On Breakers	C20	20 Normally On Breakers
C9	09 Normally On Breakers	C21	21 Normally On Breakers
C10	10 Normally On Breakers	C22	22 Normally On Breakers
C11	11 Normally On Breakers	C23	23 Normally On Breakers
C12	12 Normally On Breakers	C24	24 Normally On Breakers

7. OUTPUT BREAKER - NORMALLY OFF*

O1	01 Normally Off Breaker
O2	02 Normally Off Breakers
O3	03 Normally Off Breakers
O4	04 Normally Off Breakers
O5	05 Normally Off Breakers
O6	06 Normally Off Breakers
O7	07 Normally Off Breakers
O8	08 Normally Off Breakers
O9	09 Normally Off Breakers
O10	10 Normally Off Breakers
O11	11 Normally Off Breakers
O12	12 Normally Off Breakers

8. OUTPUT BREAKER - SWITCHED*

S1	01 Switched Breaker
S2	02 Switched Breakers
S3	03 Switched Breakers
S4	04 Switched Breakers
S5	05 Switched Breakers
S6	06 Switched Breakers
S7	07 Switched Breakers
S8	08 Switched Breakers
S9	09 Switched Breakers
S10	10 Switched Breakers
S11	11 Switched Breakers
S12	12 Switched Breakers

9. OPTIONS

BLANK = NO OPTION

MB Maintenance Bypass Switch	EBW20 Extended Battery Warranty	TA Trip Alarm with Breaker	Z4 Seismic Zone 4 Restraints (Includes KE)
CB Custom Breaker	EEW Extended Electronics Warranty	RA Remote Annunciator includes TB	WB Wall Mounting Bracket ¹
DT Delayed Transfer	KE Keyed Enclosure	TB Programmable Terminal Block	BI BMS Integration

¹. WB OPTION IS ONLY AVAILABLE ON 1KVA INVERTERS

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
- 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

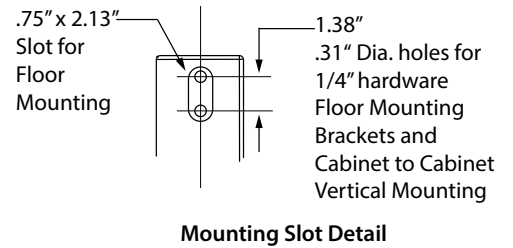
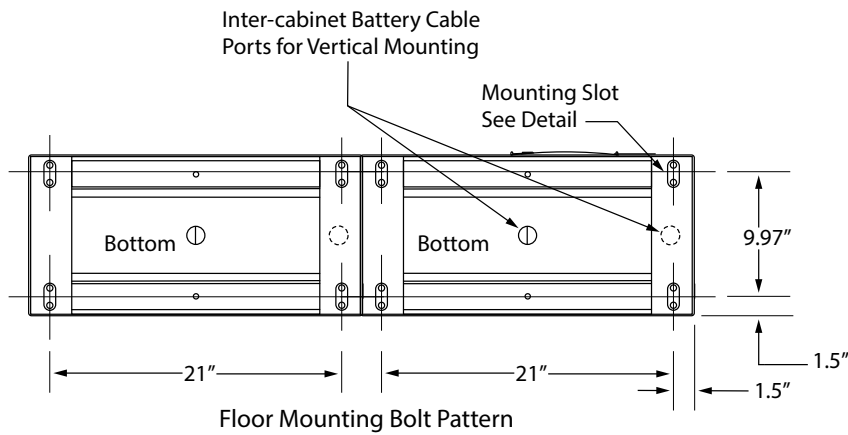
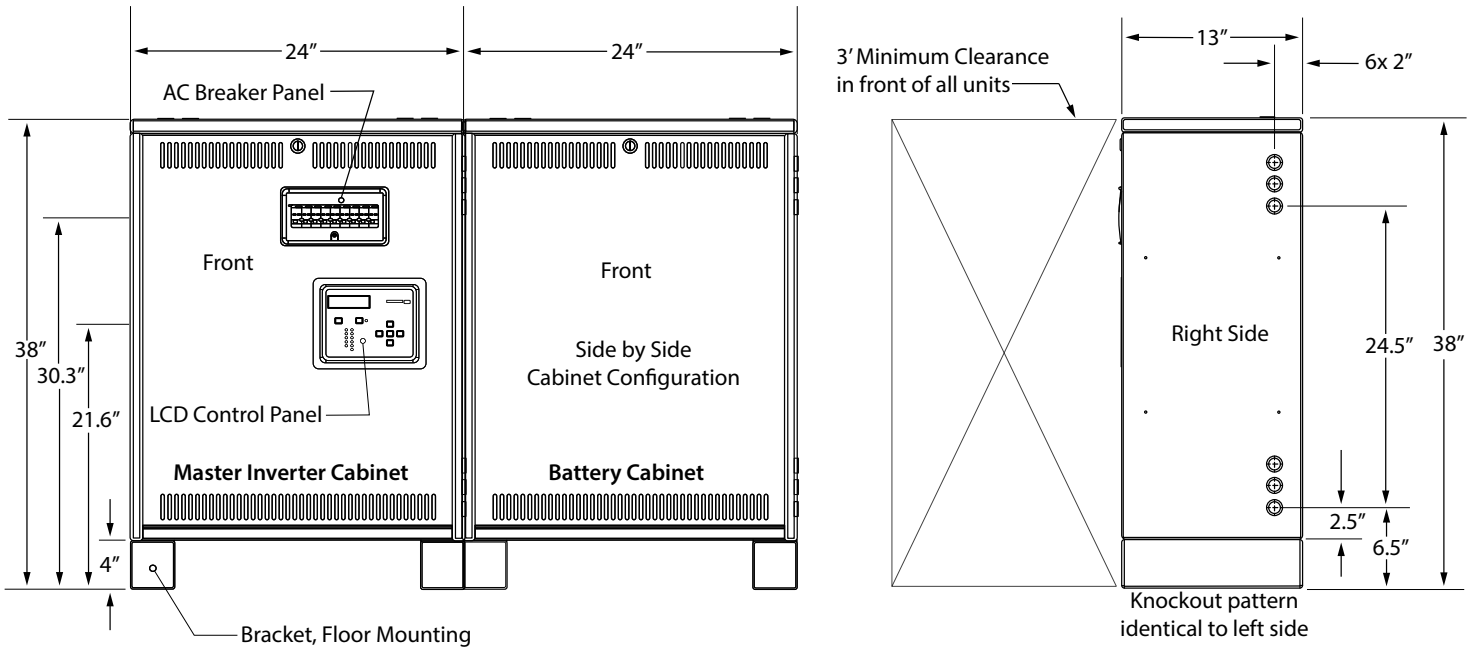
- Due to power factor calculations, we recommend only loading the E3MAC inverter to 90% of load wattage. For Two Phase, Three Phase, or Split Phase, see E3MAC-3P, E3MAC-2P, or E3MAC-SP
- 10,000 and 12,500 VA only available with 277V input/output

WEIGHT & DIMENSIONS

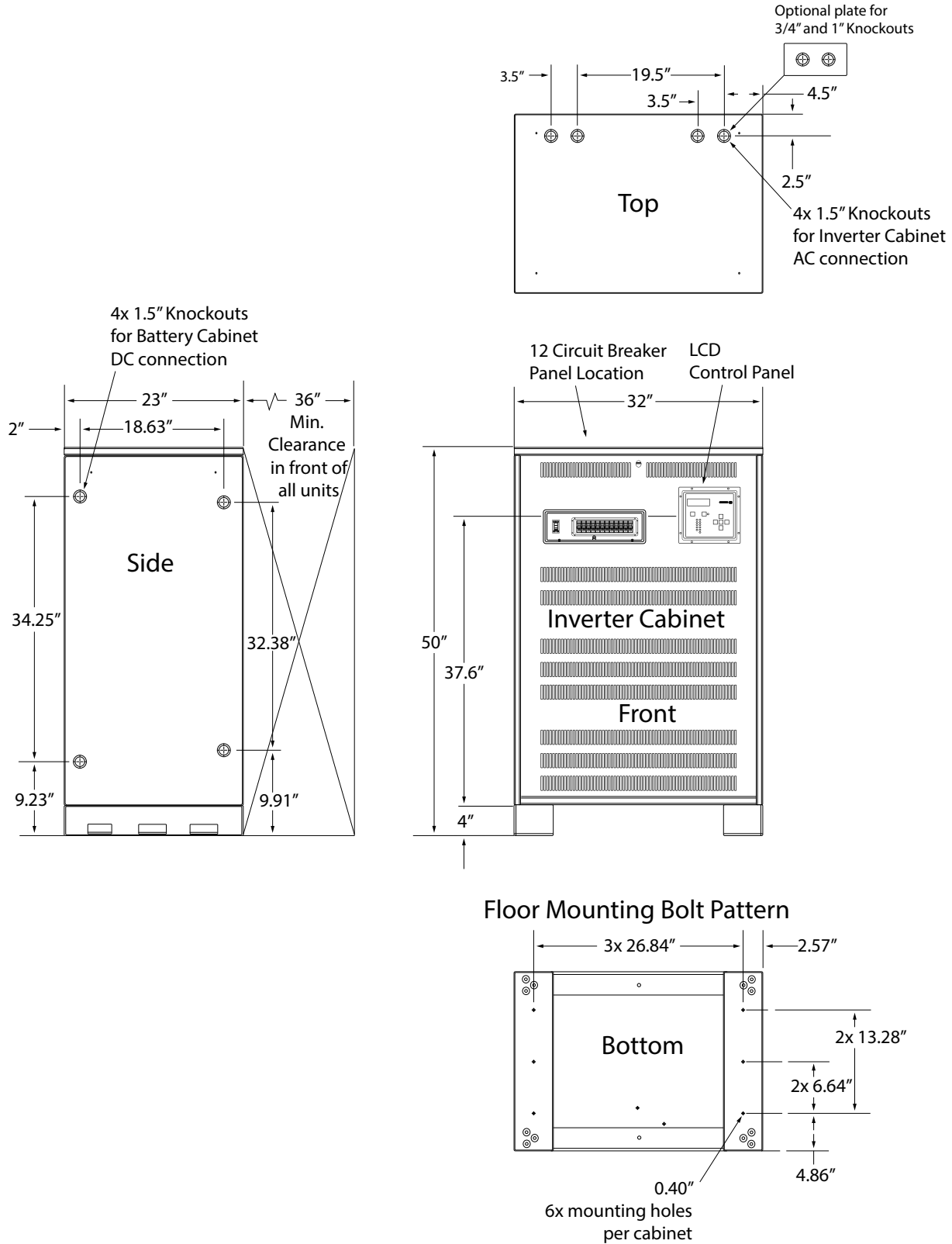
Inverter VA	Cabinets	Inverter Cabinet Weight	Battery Cabinet Weight	Battery Count	Battery Weight	Pallet Count	Total Weight
1000	1	152		4	156	1	343
1600	1	280		6	234	1	549
2200	1	280		8	312	1	627
2800	1	280		10	390	1	705
3000	1	280		12	468	1	783
4000	1	380		8	680	2	1060
5000	1	380		10	840	2	1220
6000	1	380		12	1000	2	1380
8000	2	400	300	16	1320	3	2020
10000	2	400	300	20	1640	3	2340
12500	2	400	300	24	1960	3	2660

DIAGRAMS

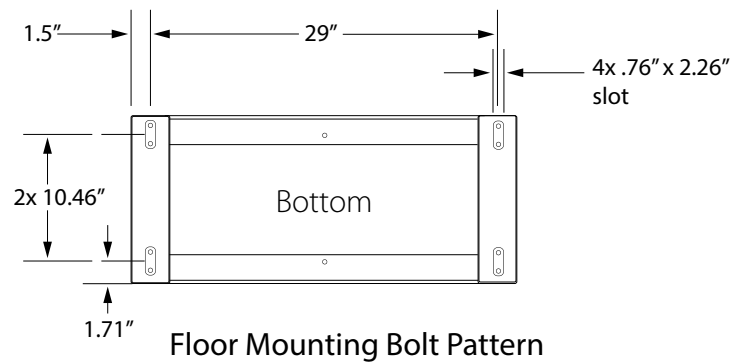
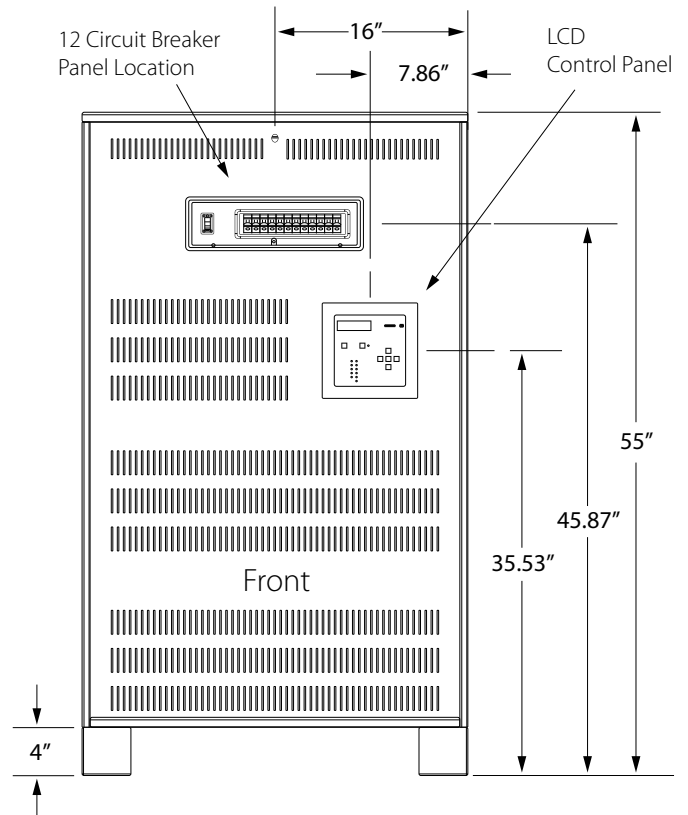
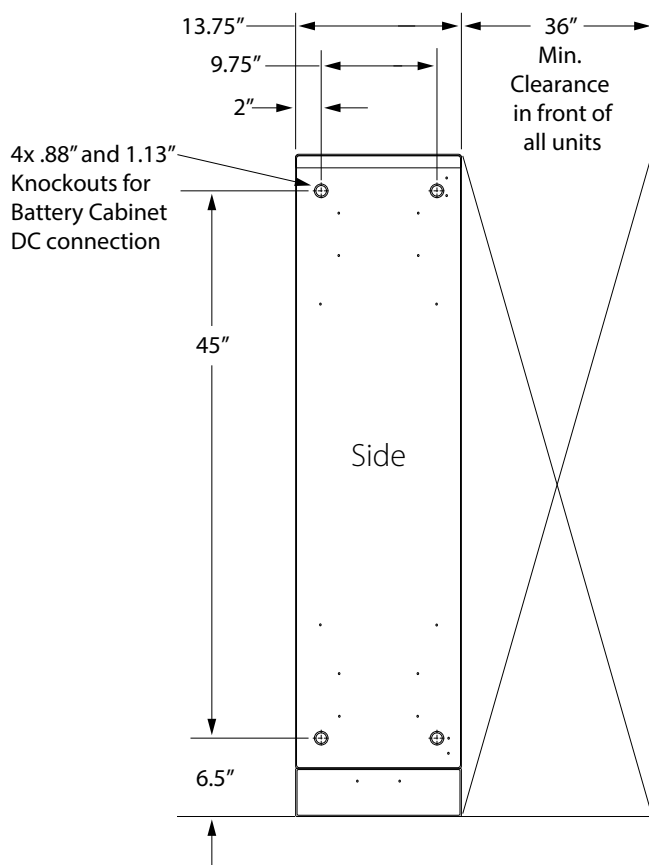
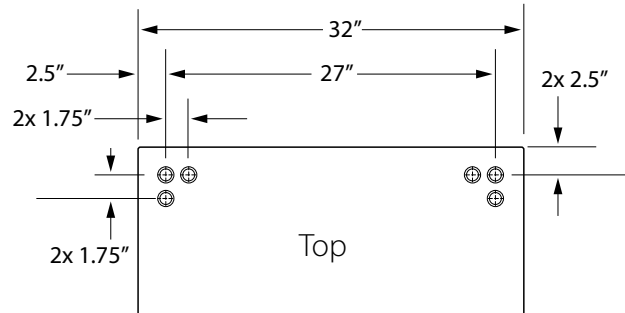
Battery Cabinet mounted to the right side of Master Inverter Cabinet for proper battery cable routing from cabinet to cabinet.



DIAGRAMS



DIAGRAMS



Floor Mounting Bolt Pattern