

E3MAC-3P

3000-18,000 VA Three Phase Modular AC Inverter

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-3000-3P-IF-OF-C##-O##-S##*

1. SERIES	2. VA RATING	3. PHASE	4. INPUT VOLTAGE	5. OUTPUT VOLTAGE
E3MAC	-	3P	-	-
	3000 3000 VA Three Phase 4000 4000 VA Three Phase 5000 5000 VA Three Phase 8000 8000 VA Three Phase	10000 10000 VA Three Phase 12500 12500 VA Three Phase 15000 15000 VA Three Phase 18000 18000 VA Three Phase	3P Three Phase IF 120V/208V IG 277V/480V	OF 120V/208V OG 277V/480V

6. OUTPUT BREAKER - NORMALLY ON*	7. OUTPUT BREAKER - NORMALLY OFF*	8. OUTPUT BREAKER - SWITCHED*
C3 03 Normally On Breakers C6 06 Normally On Breakers C9 09 Normally On Breakers C12 12 Normally On Breakers	C15 15 Normally On Breakers C18 18 Normally On Breakers C21 21 Normally On Breakers C24 24 Normally On Breakers	O3 03 Normally Off Breakers O6 06 Normally Off Breakers O9 09 Normally Off Breakers O12 12 Normally Off Breakers
		S3 03 Switched Breakers S6 06 Switched Breakers S9 09 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
DT Delayed Transfer	KE Keyed Enclosure	TB Programmable Terminal Block	BI 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 approved
- 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
- 3 Phase = 4 Wire plus Ground.
- Max power for any phase (L-N, L-L) is 1/3 of total power capacity
- For Single Phase, Two Phase, or Split Phase, see E3MAC-1P, E3MAC-2P, or E3MAC-SP

WEIGHT & DIMENSIONS

VA Rate	Cabinets	Inverter Cabinet Weight	Battery Cabinet Weight	Battery Count	Battery Weight	Pallet Count	Total Weight
3000	1	235	0	12	468	1	662
5000	2	590	300	10	885	3	1530
8000	2	590	300	16	1320	3	1690
10000	2	590	300	20	1640	3	1850
12500	2	590	300	24	1960	3	2115
15000	3	590	300	30	2480	5	2435
18000	3	590	300	36	2960	5	2750

DIAGRAMS

