

DATE:	COMMENTS:
PROJECT:	



FEATURES

- 300 or 500 Watts of pure sine wave output
- Fast transfer system
- Compatible with all lighting loads including LED and HID
- Smart Self-Diagnostic circuit that retains and logs critical data
- Enhanced scrolling LCD display for simple and direct access to all critical data
- UL listed 90 minute run-time
- Three separate field selectable outputs Normally on, Normally off, Switched
- Compact housing for easy installation
- Optional wall mounting bracket
- Programmable settings for ease of use
- Audible alarm standard

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 *E3-300-LC-V1-10-22-30*

1. SERIES	2. VA RATING	3. BATTERY TYPE	4. INPUT/OUTPUT VOLTAGE	5. FIRST OUTPUT BREAKER
E3	-	-	-	-
	300 300 VA 500 500 VA	LC Sealed Lead Calcium PL Pure Lead	V1 120 V Input / Output V2 277 V Input / Output	BLANK = NO OPTION 10 Breaker #1 Normally Off 11 Breaker #1 Normally On 1S Breaker #1 Switched
6. SECOND OUTPUT BREAKER	7. THIRD OUTPUT BREAKER	8. OPTIONS		
BLANK = NO OPTION 20 Breaker #2 Normally Off 21 Breaker #2 Normally On 2S Breaker #2 Switched	BLANK = NO OPTION 30 Breaker #3 Normally Off 31 Breaker #3 Normally On 3S Breaker #3 Switched	BLANK = NO OPTION EB Extended Run Time CL Canada Listed DT Standard Delayed Transfer (60 ms) Z4 Seismic Zone 4 Restraints RA Remote Annunciator "includes TB" TB 1 Summary / 2 Programmable terminal block to form C dry contacts WB Wall Mounting Bracket		

INPUT

- Voltage: 120 or 277 VAC
- Current: 5.8A (120V), 2.5A (277V) for 500 Watt Unit
- Current: 4.2A (120V), 1.8A (277V) for 300 Watt Unit
- Frequency: 60Hz +/- 2Hz
- Protection: Input circuit breaker with fast acting KLK fuse in series for easy selective coordination to upstream feed breaker
- Power Factor: 0.5 lead to 0.5 lag

OUTPUT

- Voltage: 120 or 277 VAC
- Current: 4.38A (120V), 1.9A (277) for 500 Watt Unit
- Current: 2.7A (120V), 1.17A (277V) for 300 Watt Unit
- Frequency: 60Hz +/- .002Hz crystal controlled during emergency mode
- Overload: 120% for 10 minutes, 400% for 200 msec

- Transfer Time: <2 msec as standard or can be factory adjusted
- Output Distortion: Less than 3% THD
- Crest Factor: 4 for 500 Watt unit; 6.5 for 300 Watt unit
- Load Power Factor: 0.5 lead to 0.5 lag
- Protection: Optional circuit breakers
- Output Types: Normally On, Normally Off, and Switched Outputs

WEIGHT

- E3-300: 105 lbs
- E3-500: 133 lbs

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 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

NOTE

- Due to power factor calculations, we recommend only loading the E3 inverter to 85% of load wattage/VA

DIMENSIONS
