



## E3

300-550 VA Pure Sine Wave Inverter

DATE:

PROJECT

COMMENTS:

### FEATURES

- 300-550VA 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
- Plenum rated

### 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)



CLICK THE IMAGE TO VIEW ALTERNATE PRODUCT PHOTOS  
Only available with Adobe Acrobat and Acrobat Reader

### ORDERING INFORMATION E3-300-LC-V1-10-21-31-WB

1. SERIES	2. VA RATING	3. BATTERY TYPE	4. INPUT/OUTPUT VOLTAGE	5. FIRST OUTPUT BREAKER
E3	-	-	-	-
	300 300 VA 375 375 VA 500 500 VA 550 550 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 120 Minutes Extended Run Time (Only Available with 300VA / 500VA Units with LC Battery) CL Canada Listed DT Standard Delayed Transfer (60 ms) Z4 Seismic Zone 4 Restraints TB Form A Contact, Terminal Block WB Wall Mounting Bracket		

### ACCESSORIES; ORDER SEPARATELY

- **E3-FPS** = E3 300-550 Factory Phone Startup  
NOTE: INCREASES ELECTRONICS WARRANTY TO 5 YEARS

## SPECIFICATIONS

### INPUT

- Voltage: 120 or 277 VAC
- Current: 4.2A (120V), 1.8A (277V) for 300/375VA Unit
- Current: 5.8A (120V), 2.5A (277V) for 500/550VA 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: 2.7A (120V), 1.17A (277V) for 300VA Unit
- Current: 3.13A (120V), 1.36A (277) for 375VA Unit
- Current: 4.38A (120V), 1.9A (277) for 500VA Unit
- Current: 4.59A (120V), 1.99A (277V) for 550VA 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 500/550VA unit; 6.5 for 300/375VA 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
- E3-375: 105 lbs
- E3-500: 133 lbs
- E3-550: 133 lbs

### ENVIRONMENTAL

- Operating temp: 20C° to 30C° (68°F to 86°F)
- Storage temp: Electronics - 20C° to 70C° (68°F to 158°F)

BATTERY STORAGE TEMP	
51°F (11°C) TO 77°F (25°C)	180 DAYS
78°F (26°C) TO 92°F (33°C)	90 DAYS

- Relative humidity: <95 % (non-condensing)

### APPROVALS

- UL 924
- UL 2043 (Plenum Rated)
- OSHPD Seismic Certified (with Z4 option)
- New York City approved, Calendar Number 51575
- NFPA 101 Life Safety Code
- NFPA 70-NEC
- OSHA
- NEMA Type 1 enclosure
- BAA 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.

## DIMENSIONS

