

# E-H Series

## Seismic Inverter Power System



## SINGLE PHASE SYSTEMS

### 1.5kVA to 16.7kVA

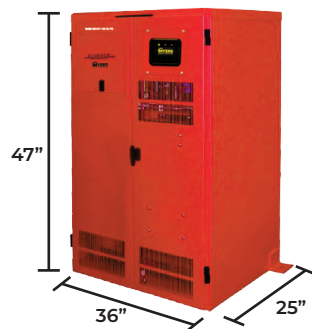
#### For All Lighting & Motor Loads



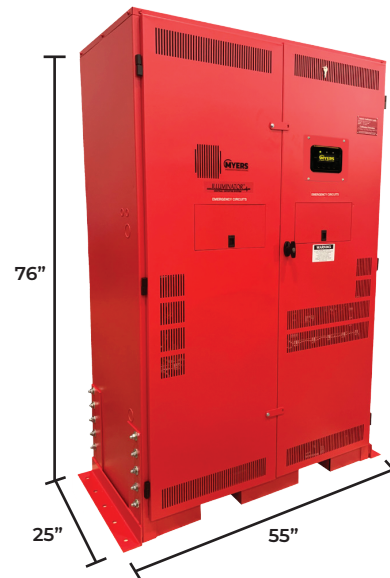
### OSHPD Special Seismic Certification Preapproval Number: OSP-0305

The OSHPD Special Seismic Certification Preapproval (OSP) is a voluntary program for review and preapproval of special seismic certification of non-structural components used in California healthcare facility construction.

[www.hcai.ca.gov](http://www.hcai.ca.gov)



**Models 1.5kVA to 5.0kVA**



**Models 6.0kVA to 16.7kVA**

### STANDARD FEATURES

- Withstand Seismic Rating Based on Shaker Table Testing
- 98% Efficient Typical
- Automatic Event, Test, and Alarm Log
- User Programmable With Password Protection
- Input Circuit Breaker
- RS232 Communications Port
- Space-Saving Design
- No Break 2ms Transfer Time
- NFPA 101 Self Testing and Data Logging
- Code Compliant : 90 Min. Runtime
- 65 KAIC Input Rating
- NEMA Type 1 Cabinet

### OPTIONAL FEATURES

- Enhanced Communications
  - Expanded Building Management Protocols
  - BACnet or Modbus Communications Interface
  - NEW IoT Connect Cloud Software
- Internal or External Maintenance Bypass
- Summary Alarm
- Output Circuit Breakers
- Status Monitoring & Summary Form C Contacts
- Normally Off Output with Time Delay
- Output Trip Alarms
- Factory Startup & Training
- Extended Maintenance & Factory Warranty

### SPECIFICATIONS

- Input Voltage: 120 or 277VAC | 1-Phase 2-Wire Plus Ground
- Output Voltage: 120 or 277VAC | 1-Phase 2-Wire Plus Ground
- Output Load Power Factor .5 Lag to .5 Lead
- Output Voltage Distortion Less Than 3% THD for Linear Loads
- Custom Voltage Available (Contact Factory)
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Compatible With All Lighting and Motor Loads
- Compatible With Generators (10x Inverter Size)
- 90 Minute Runtime Standard; Extended Runtimes Available upon Request

# E-H Series

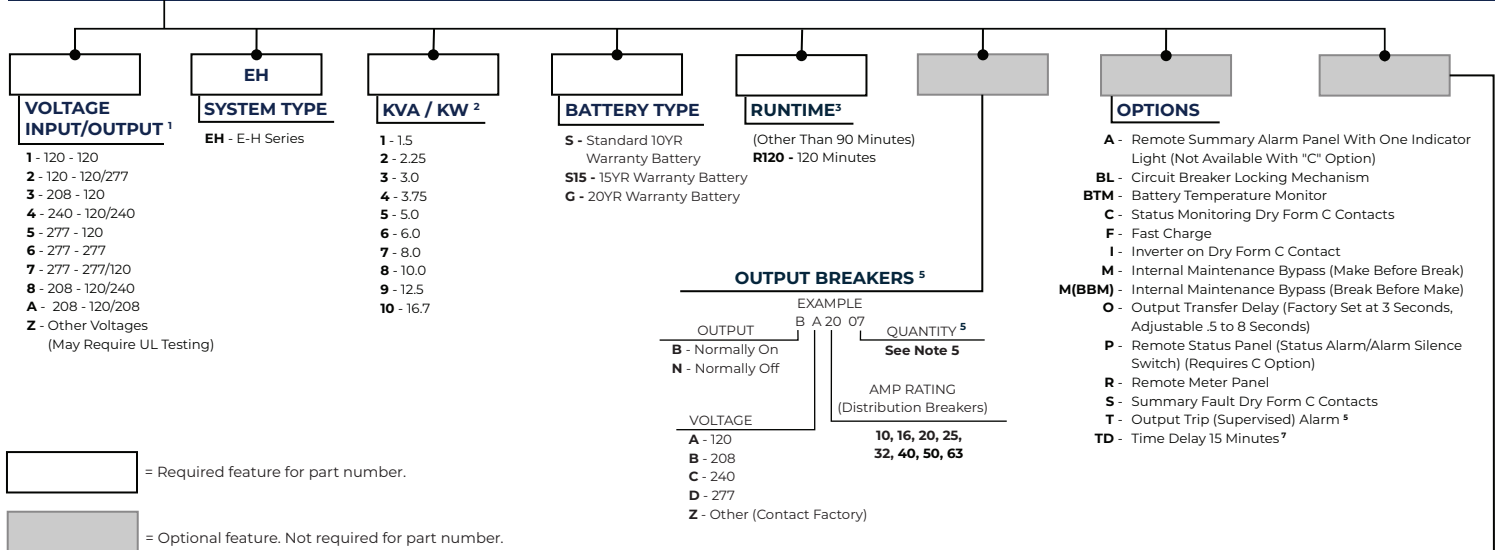
## Single-Phase Seismic Inverter Power System

### 1.5kVA to 16.7kVA



## ORDERING GUIDE

EXAMPLE MODEL # 1-EH-4-S-BA2007-T-S-M-2YW



**ACCESSORIES**

- DT - Drip Top (NEMA 2)<sup>B</sup>
- EMBP - External Maintenance Bypass Switch<sup>A, B</sup>
- SPARES - Spare Fuses & Circuit Boards
- SPAREF - Spare Fuses

A) With External Maintenance Bypass Switch, only main output breaker is available.  
B) Accessories are not shaker table tested.

1. Only single phase voltages available.
2. KVA= KW
3. Standard battery runtime is 90 minutes. Contact factory for other runtimes. 120-minute run time is not available for 16.7kVA systems.
4. Normally off loads cannot exceed 20% of total kVA rating with any combination of HID loads.
5. Maximum output breakers available: 12 unsupervised (1-pole), 8 supervised (1-pole) for 1.5kVA-5kVA; 24 unsupervised (1-pole), 18 supervised (1-pole) for 6kVA-16.7kVA; Breakers provided are 20 Amps unless specified otherwise. A 2-pole breaker occupies 2 positions. Additional output breakers available on 1.5kVA-5kVA units with optional top mount enclosure. Contact factory for details.
6. One year warranty is standard.
7. Time delay of normally off circuit will stay activated 15 minutes after return of utility.

## WARRANTY & ONSITE SERVICES<sup>6</sup>

- 2YW - Start Up & Same Day Training (Increases Standard 1 Year Electronics Warranty to 2 years)
- 2YWT - Start Up, Same Day Training and Full Run Test (Increases Standard 1 Year Electronics Warranty to 2 years)
- 5YP - 5-Year Maintenance Plan
- 5YW - 5-Year Extended Electronics Warranty (Includes 3 Years of Extended Electronics Warranty When Combined With 2YW)
- TR - Training (if Required on Day Other Than Start Up)

## DIMENSIONS

Alternate runtimes may affect cabinet size - contact factory.

| Electronics Module   |                        |                              |                    |                 |                     |                  |                 |                   | Batteries 90 Minutes @ Full Load |                     |               |                | Total System Weight (lbs / kg) |
|----------------------|------------------------|------------------------------|--------------------|-----------------|---------------------|------------------|-----------------|-------------------|----------------------------------|---------------------|---------------|----------------|--------------------------------|
| Partial Model Number | Power Rating (KVA / W) | Efficiency (Typical Percent) | Audible Noise (db) | Heat Loss (BTU) | Cabinet Dimensions* |                  |                 |                   | 90 Minutes Batteries (lbs / kg)  | Number of Batteries | Voltage (VDC) | Current (amps) |                                |
|                      |                        |                              |                    |                 | Width (in / cm)     | Height (in / cm) | Depth (in / cm) | Weight (lbs / kg) |                                  |                     |               |                |                                |
| EH-1-S               | 1.5                    | 98                           | 45                 | 102             | 36 / 77             | 47 / 119         | 25 / 64         | 215 / 98          | 296 / 135                        | 4                   | 48            | 39             | 511 / 230                      |
| EH-2-S               | 2.25                   | 98                           | 45                 | 153             | 36 / 77             | 47 / 119         | 25 / 64         | 230 / 105         | 444 / 200                        | 6                   | 72            | 38             | 679 / 306                      |
| EH-3-S               | 3.0                    | 98                           | 45                 | 204             | 36 / 77             | 47 / 119         | 25 / 64         | 235 / 107         | 592 / 266                        | 8                   | 96            | 38             | 827 / 372                      |
| EH-4-S               | 3.75                   | 98                           | 45                 | 255             | 36 / 77             | 47 / 119         | 25 / 64         | 240 / 109         | 740 / 330                        | 10                  | 120           | 37             | 980 / 441                      |
| EH-5-S               | 5.0                    | 98                           | 45                 | 340             | 36 / 77             | 47 / 119         | 25 / 64         | 280 / 128         | 888 / 400                        | 12                  | 144           | 40             | 1168 / 525                     |
| EH-6-S               | 6.0                    | 98                           | 45                 | 408             | 55 / 122            | 76 / 193         | 25 / 64         | 605 / 272         | 1110 / 500                       | 15                  | 180           | 40             | 1715 / 772                     |
| EH-7-S               | 8.0                    | 98                           | 45                 | 544             | 55 / 122            | 76 / 193         | 25 / 64         | 640 / 288         | 1480 / 666                       | 20                  | 240           | 39             | 2120 / 954                     |
| EH-8-S               | 10.0                   | 98                           | 45                 | 680             | 55 / 122            | 76 / 193         | 25 / 64         | 785 / 353         | 1776 / 800                       | 24                  | 144           | 82             | 2561 / 1153                    |
| EH-9-S               | 12.5                   | 98                           | 45                 | 860             | 55 / 122            | 76 / 193         | 25 / 64         | 805 / 362         | 2220 / 999                       | 30                  | 180           | 82             | 3025 / 1361                    |
| EH-10-S              | 16.7                   | 98                           | 45                 | 1135            | 55 / 122            | 76 / 193         | 25 / 64         | 885 / 398         | 2960 / 1332                      | 40                  | 240           | 80             | 3845 / 1730                    |