

# ILLUMINATOR CIII-H

## Emergency Lighting Inverter System



## SINGLE PHASE SYSTEMS

### 4.8kVA/kW to 50kVA/kW

Designed with Industry Leading  
Compact Footprint



### OSHPD Special Seismic Certification Preapproval Number: OSP-0496

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 4.8kVA to 50kVA

### STANDARD FEATURES

- Withstand Seismic Rating Based on Shaker Table Testing
- 98% Efficient Typical
- Automatic Event, Test, and Alarm Log
- User Programmable With Password Protection
- Internal Maintenance Bypass
- 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
- External Maintenance Bypass
- Summary Alarm
- Output Circuit Breakers
- Status Monitoring & Summary Form C Contacts
- Normally Off Output
- Output Trip Alarms
- Seismic
- 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

# ILLUMINATOR CIII-H

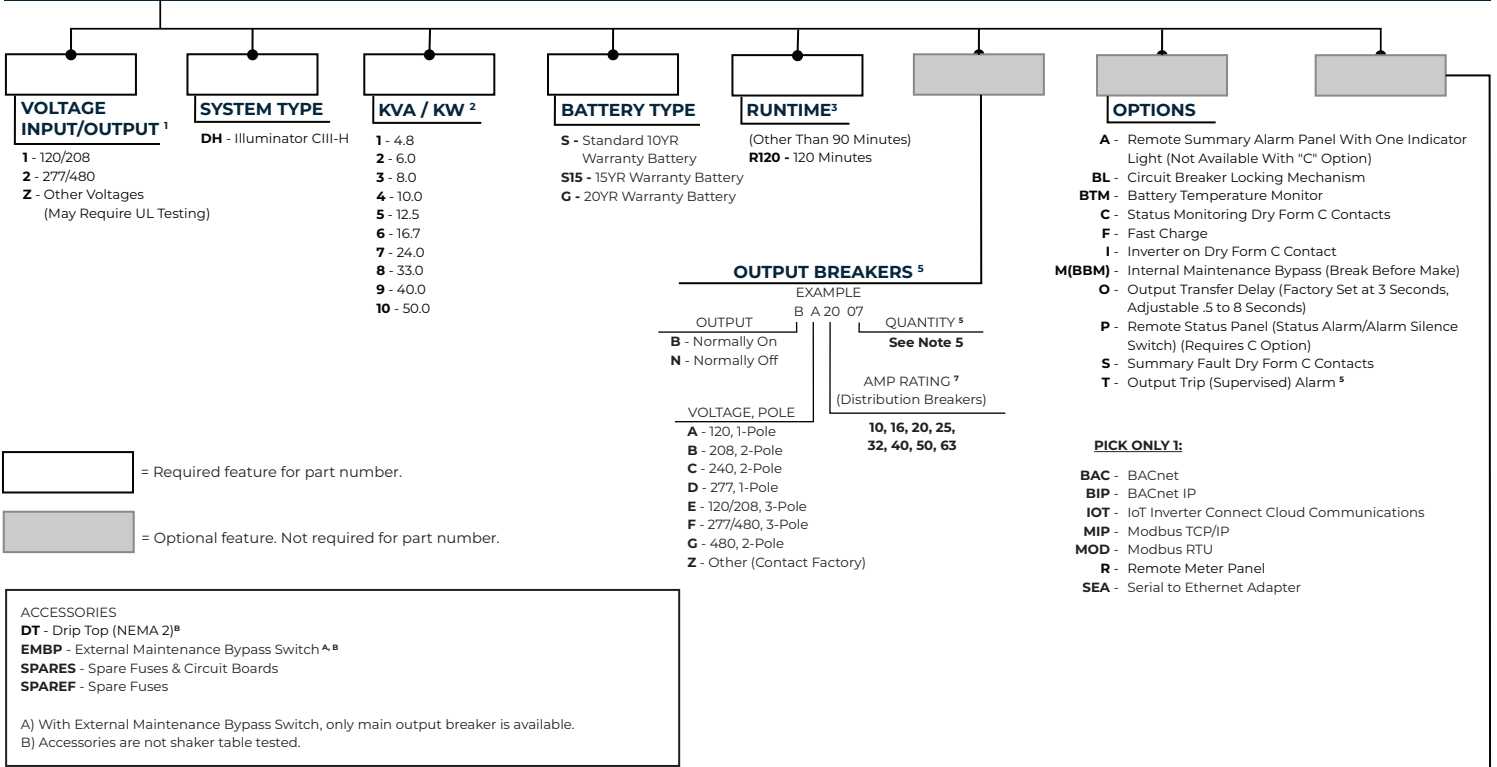
## Emergency Lighting Inverter

### Single Phase Systems 1.5kVA/kW to 16.7kVA/kW



## ORDERING GUIDE

## EXAMPLE MODEL # 1-DH-4-S-BA2007-F-2YW



- Only single phase voltages available.
- KVA= KW
- Standard battery runtime is 90 minutes. Contact factory for other runtimes. 120-minute run time is not available for 16.7kVA systems.
- Normally off loads cannot exceed 20% of total kVA rating with any combination of HID loads.
- 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.
- One year warranty is standard.
- Higher AMP ratings available - contact factory.
- Total dimensions include width of mounting brackets.

- ### 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                           |              |
|----------------------|-------------------------|-----------------|--------------------|----------------------------------|-----------------|--------------|---------------|----------------|----------------------------|-----------------|------------------|-----------------|---------------------|--|--------------|
| Partial Model Number | Power Rating (kVA / kW) | Heat Loss (BTU) | Cabinet Dimensions |                                  |                 |              | Voltage (VDC) | Current (Amps) | Battery Cabinet Dimensions |                 |                  |                 | Number of Batteries | Dimensions W <sup>8</sup> X H X D (in) | Weight (lbs) |
|                      |                         |                 | Width (in / cm)    | Height (in / cm)                 | Depth (in / cm) | Weight (lbs) |               |                | QTY                        | Width (in / cm) | Height (in / cm) | Depth (in / cm) |                     |  |              |
| DH-1-S               | 4.8                     | 326             | 30 / 77            | 47 / 120                         | 25 / 64         | 535          | 144           | 39             | 1                          | 30 / 77         | 47 / 120         | 25 / 64         | 12                  | 67 x 47 x 25                           | 1633         |
| DH-2-S               | 6.0                     | 408             | 30 / 77            | 47 / 120                         | 25 / 64         | 535          | 180           | 39             | 1                          | 30 / 77         | 47 / 120         | 25 / 64         | 15                  | 67 x 47 x 25                           | 1855         |
| DH-3-S               | 8.0                     | 544             | 30 / 77            | 47 / 120                         | 25 / 64         | 535          | 240           | 39             | 1                          | 30 / 77         | 47 / 120         | 25 / 64         | 20                  | 67 x 47 x 25                           | 2247         |
| DH-4-S               | 10.0                    | 680             | 30 / 77            | 47 / 120                         | 25 / 64         | 639          | 144           | 81             | 2                          | 30 / 77         | 47 / 120         | 25 / 64         | 24                  | 97 x 47 x 25                           | 2835         |
| DH-5-S               | 12.5                    | 850             | 30 / 77            | 47 / 120                         | 25 / 64         | 639          | 180           | 81             | 2                          | 30 / 77         | 47 / 120         | 25 / 64         | 30                  | 97 x 47 x 25                           | 3279         |
| DH-6-S               | 16.7                    | 1136            | 30 / 77            | 47 / 120                         | 25 / 64         | 639          | 240           | 81             | 2                          | 30 / 77         | 47 / 120         | 25 / 64         | 40                  | 97 x 47 x 25                           | 4063         |
| DH-7-S               | 24.0                    | 1632            | 44 / 112           | 72 / 183                         | 31 / 79         | 1250         | 240           | 117            | 1                          | 48 / 122        | 72 / 183         | 31 / 79         | 60                  | 99 x 72 x 31                           | 6390         |
| DH-8-S               | 33.0                    | 2244            | 44 / 112           | 72 / 183                         | 31 / 79         | 1250         | 240           | 160            | 2                          | 48 / 122        | 72 / 183         | 31 / 79         | 80                  | 147 x 72 x 31                          | 8630         |
| DH-9-S               | 40.0                    | 2720            | 44 / 112           | 72 / 183                         | 31 / 79         | 1450         | 240           | 194            | 2                          | 48 / 122        | 72 / 183         | 31 / 79         | 100                 | 147 x 72 x 31                          | 10150        |
| DH-10-S              | 50.0                    | 3400            | 44 / 112           | 72 / 183                         | 31 / 79         | 1460         | 240           | 243            | 2                          | 48 / 122        | 72 / 183         | 31 / 79         | 120                 | 147 x 72 x 31                          | 11980        |