

ILLUMINATOR LV-H

Emergency Lighting Inverter



SINGLE PHASE SYSTEMS

175VA/W to 1100VA/W

Seismic Shaker Table Tested



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 certi-
fication of non-structural
components used in
California healthcare
facility construction.



175VA/W



350 to 550VA/W



750VA/W



1100VA/W

www.hcai.ca.gov

STANDARD FEATURES

- High Efficiency System
- Compatible With Incandescent, Fluorescent, LED & Quartz
- Input Fuse and Battery Fuse Protection
- 90 Minute Run Time
- System Status Indicators & Momentary Test Switch
- High Crest Factor and Inrush Capabilities
- Pure Sine Wave
- Summary Fault Form C Contacts
- Floor Mount (Not Available on 175VA/W Systems)
- Battery Strapping
- NEMA Type 1 Cabinet

OPTIONAL FEATURES

- Enhanced Communications
 - Expanded Building Management Protocols
 - BACnet or Modbus Communications Interface
 - NEW IoT Connect Cloud Software
- Status Monitoring Contacts
- Output Circuit Breakers (Not Available on 175VA/W Systems)
- Automatic Event, Test and Alarm Log
- NFPA 101 Self Testing and Data Logging
- Factory Startup and Training

SPECIFICATIONS

- Input Voltage: Field Selectable at 120VAC or 277VAC; 1-Phase 2-Wire Plus Ground +10% to -15%
- Relative Humidity < 95% (Non-Condensing)
- Load Power Factor: 0.5 Lagging to 0.5 Leading
- Output Voltage Distortion < 10% for Resistive Loads
- Line Interactive PWM Inverter Type Utilizing MOSFET Technology with 6mS Transfer Time
- Compatible With Generators (10x Inverter Size)
- Maintenance Free VRLA Batteries
- Microprocessor-Controlled, 3-Stage Battery Charger
- Alarms Include Monthly Test Fault, Yearly Test Fault, Charger Fault, Load Reduction Fault, Output Voltage Low, Output Voltage High, Overload Fault, Low Voltage Disconnect, Heatsink Over Temp and Input Fuse Failure
- 10kAIC at 120VAC; 1.5kAIC at 277VAC
- Inverter Operating Temp. 32°F/0°C to 104°F/40°C
- Battery Operating Temp. 68°F/20°C to 86°F/30°C per UL 924 Specifications

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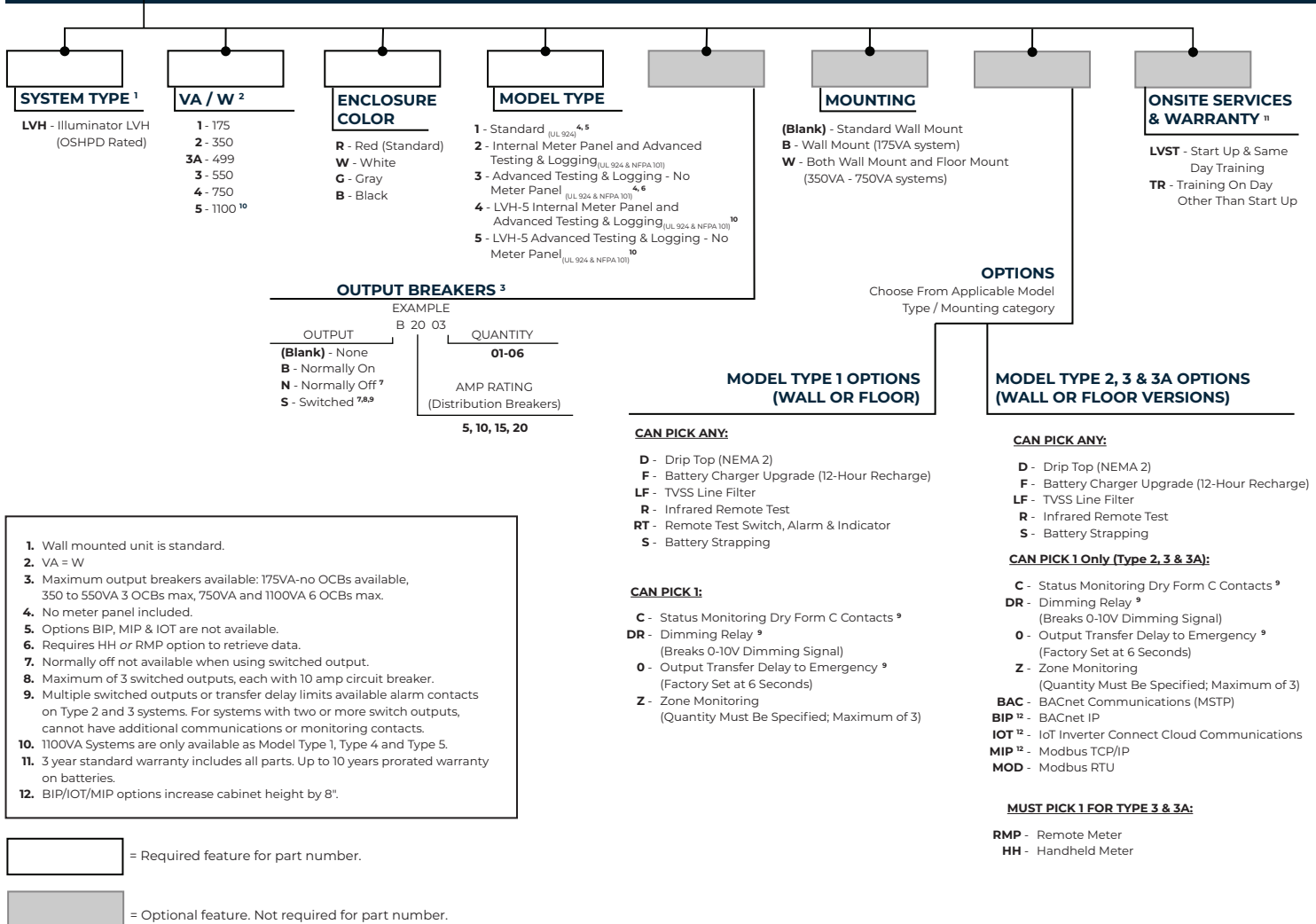
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ORDERING GUIDE

EXAMPLE MODEL # LVH-4-R-3-B2003-F-HH-LVST



DIMENSIONS

Alternate runtimes may affect cabinet size - contact factory.

Electronics Module						Batteries 90 Minutes @ Full Load			Total System Weight (lbs)
Partial Model Number	Power Rating (VA / W)	Cabinet Dimensions				90 Minute Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	
		Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)				
LVH-1 Recessed Wall Mount	175	16.25 / 41.3	19.75 / 50.2	6.5 / 16.5	30 / 13.6	25 / 11.4	1	12	55 / 25
LVH-1 Standard	175	14.25 / 36.2	17.75 / 45.1	6.5 / 16.5	30 / 13.6	25 / 11.4	1	12	55 / 25
LVH-2	350	19 / 48.26	25 / 63.5	9.25 / 23.5	50 / 22.7	50 / 22.7	2	24	100 / 45.4
LVH-3A	499	19 / 48.26	25 / 63.5	9.25 / 23.5	55 / 24.9	75 / 34.0	3	36	130 / 59
LVH-3	550	19 / 48.26	25 / 63.5	9.25 / 23.5	55 / 24.9	75 / 34.0	3	36	130 / 59
LVH-4	750	25.25 / 64.1	25 / 63.5	9.25 / 23.5	80 / 36.3	100 / 45.4	4	48	180 / 81.7
LVH-5	1100	26 / 66.0	25.3 / 64.3	10.125 / 25.7	87 / 39.5	159 / 72	4	48	261 / 118