

ILLUMINATOR LV-H

Emergency Lighting Inverter



OSHPD RATED MINI INVERTERS (SEISMIC SHAKER TABLE TESTED) SINGLE PHASE SYSTEMS 175VA/W to 750VA/W



UL 924 Listed
Self-Testing
Self-Diagnostic



Build America
Buy America
Act Compliant



Buy
American Act
Compliant



Trade
Agreements
Act Compliant

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



175VA/W



350 or 550VA/W



750VA/W

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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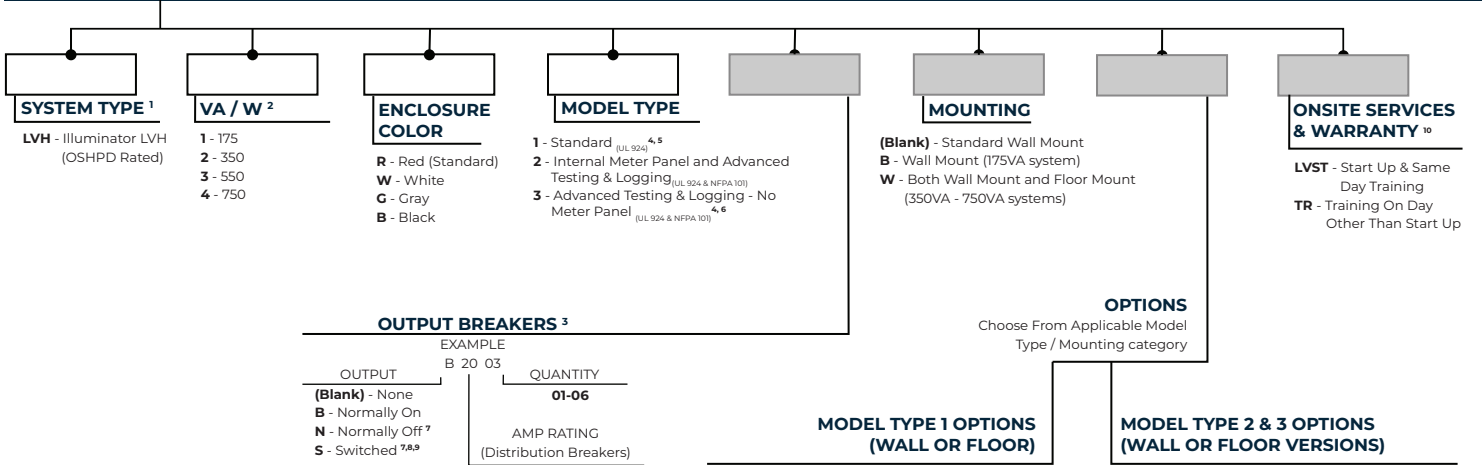
Emergency Lighting Inverter

Single Phase Systems 175VA/W to 750VA/W



ORDERING GUIDE

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



1. Wall mounted unit is standard.
2. VA = W
3. Maximum output breakers available: 175VA-no OCBs available, 350/550VA 3 OCBs max, 750VA and 1100VA 6 OCBs max.
4. No meter panel included.
5. Options BIP, MIP & IOT are not available.
6. Requires HH or RMP option to retrieve data.
7. Normally off not available when using switched output.
8. Maximum of 3 switched outputs, each with 10 amp circuit breaker.
9. Multiple switched outputs or transfer delay limits available alarm contacts on Type 2 and 3 systems. For systems with two or more switch outputs, cannot have additional communications or monitoring contacts.
10. 3 year standard warranty includes all parts. Up to 10 years prorated warranty on batteries.
11. BIP/IOT/MIP options increase cabinet height by 8".

= Required feature for part number.

= Optional feature. Not required for part number.

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 / 41.275	19.75 / 50.165	6.5 / 16.51	30 / 13.6	25 / 11.4	1	12	55 / 25
LVH-1 Standard	175	14.25 / 36.195	17.75 / 45.085	6.5 / 16.51	30 / 13.6	25 / 11.4	1	12	55 / 25
LVH-2	350	19 / 48.26	25 / 63.5	9.25 / 23.495	50 / 22.7	50 / 22.7	2	24	100 / 45.4
LVH-3	550	19 / 48.26	25 / 63.5	9.25 / 23.495	55 / 24.9	75 / 34.0	3	36	130 / 59
LVH-4	750	25.25 / 64.135	25 / 63.5	9.25 / 23.495	80 / 36.3	100 / 45.4	4	48	180 / 81.7