



Illuminator LV

Emergency Lighting Inverter System

Single Phase Systems 175VA/W to 1100VA/W
Ships Within 5 Days*

175 VA/W



350 or 550 VA/W



750 VA/W



1100 VA/W



*Units with red cabinets ship in 5 days or less. Other cabinet colors and OSHPD rated units require additional lead time.

STANDARD FEATURES

- UL 924 Listed
- UL 924 Self-Testing & Self-Diagnostics
- 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
- Red Wall Mounted Cabinet
- High Crest Factor and Inrush Capabilities
- Pure Sine Wave
- Summary Fault Form C Contacts

OPTIONAL FEATURES

- Enhanced Communications
 - Expanded MODBUS Protocols
 - NEW IoT Connect Cloud Software**
- Status Monitoring Contacts
- Output Circuit Breakers (except on 175VA/W systems)
- Seismic Bracing
- Factory Startup and Training
- Plenum, Recessed and Floor Mount Options (Standard: Wall Mount)
- Remote Summary Alarm Panel
- Automatic Event, Test and Alarm Log
- NFPA 101 Self Testing and Data Logging

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 Less Than 10% For Resistive Loads
- Line interactive PWM inverter type utilizing MOSFET technology with 4mS 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 Temperature 32°F to 104°F (0°C to 40°C)
- Battery Operating Temperature 68°F to 86°F (20°C to 30°C) per UL 924 Specifications

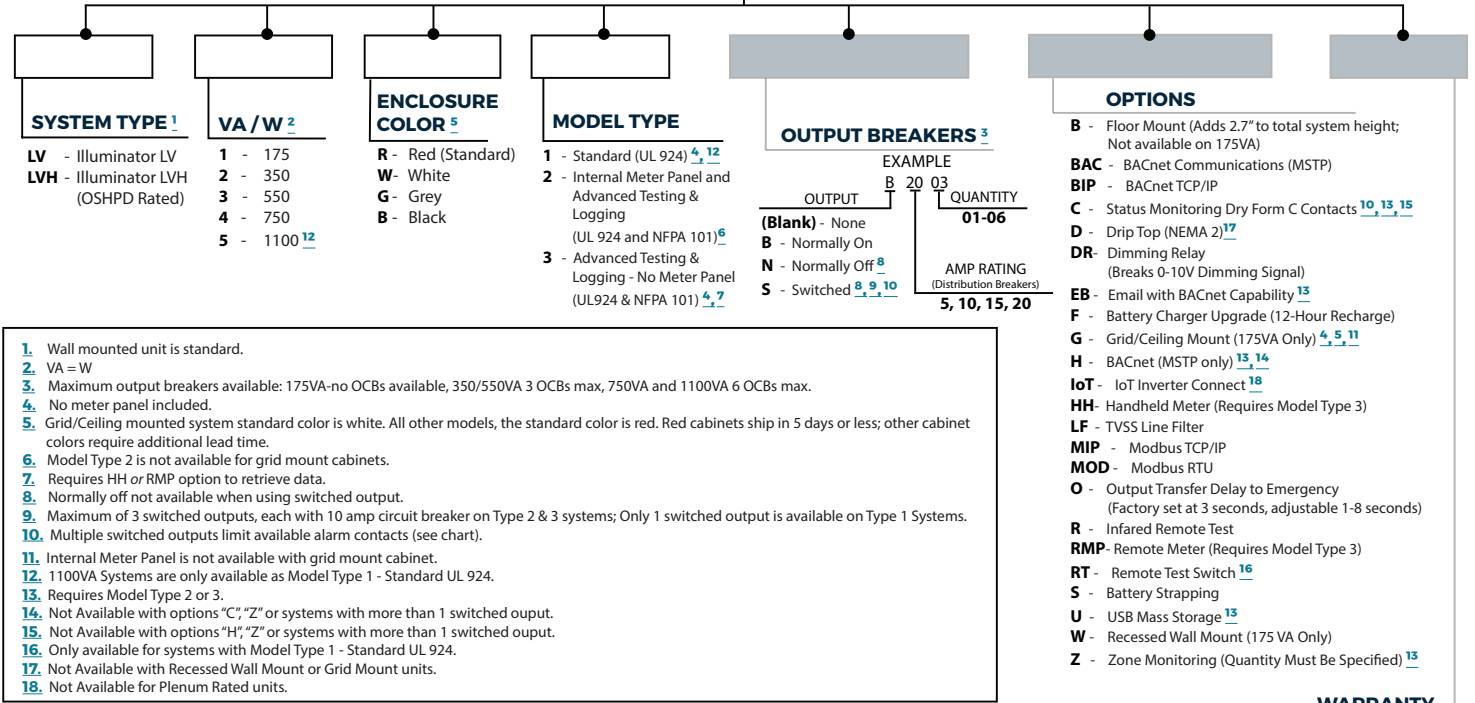


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Specifications subject to change without notice.



ORDERING GUIDE

Example Model Number:
LV-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. Grid/Ceiling mounted system standard color is white. All other models, the standard color is red. Red cabinets ship in 5 days or less; other cabinet colors require additional lead time.
- ⁶. Model Type 2 is not available for grid mount cabinets.
- ⁷. Requires HH or RMP option to retrieve data.
- ⁸. Normally off not available when using switched output.
- ⁹. Maximum of 3 switched outputs, each with 10 amp circuit breaker on Type 2 & 3 systems; Only 1 switched output is available on Type 1 Systems.
- ¹⁰. Multiple switched outputs limit available alarm contacts (see chart).
- ¹¹. Internal Meter Panel is not available with grid mount cabinet.
- ¹². 1100VA Systems are only available as Model Type 1 - Standard UL 924.
- ¹³. Requires Model Type 2 or 3.
- ¹⁴. Not Available with options "C", "Z" or systems with more than 1 switched output.
- ¹⁵. Not Available with options "H", "Z" or systems with more than 1 switched output.
- ¹⁶. Only available for systems with Model Type 1 - Standard UL 924.
- ¹⁷. Not Available with Recessed Wall Mount or Grid Mount units.
- ¹⁸. Not Available for Plenum Rated units.

= Required feature for part number.

= Optional feature. Not required for part number.

WARRANTY

LVST - Start Up & Same Day Training
TR - Training On Day Other Than Start Up

Output Circuit Breaker Available Configurations for 350 / 550 / 750 / 1100 VA Systems	Quantity of Available Form C Contacts	Quantity of Available Zone Monitor Inputs	Status Monitoring Option "C"
BXX01	6	0	Available
BXX01	3	3	Not Available
BXX02	6	0	Available
BXX02	3	3	Not Available
BXX03	6	0	Available
BXX03	3	3	Not Available
S1001	2	2	Not Available
S1001	6	0	Available

Output Circuit Breaker Available Configurations for 350 / 550 / 750 / 1100 VA Systems	Quantity of Available Form C Contacts	Quantity of Available Zone Monitor Inputs	Status Monitoring Option "C"
S1001-BXX01	2	2	Not Available
S1001-BXX01	6	0	Available
S1001-BXX02	2	2	Not Available
S1001-BXX02	6	0	Available
S1002	1	1	Not Available
S1002-BXX01	1	1	Not Available
S1003	0	0	Not Available

DIMENSIONS

Electronics Module						Batteries 90 Minutes @ Full Load			
Model Number	Power Rating (VA / W)	Cabinet Dimensions				90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Total System Weight (lbs / kg)
		Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)				
LV-1 Plenum Rated Grid Mount	175	23.875 / 60.6	7.5 / 19.1	8 / 20.3	23 / 10.4	25 / 11.4	1	12	48 / 21.8
LV-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
LV-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
LV-2	350	19 / 48.26	22 / 55.88	9.25 / 23.495	50 / 22.7	50 / 22.7	2	24	100 / 45.4
LV-3	550	19 / 48.26	22 / 55.88	9.25 / 23.495	55 / 24.9	75 / 34.0	3	36	130 / 59
LV-4	750	25.25 / 64.135	22 / 55.88	9.25 / 23.495	80 / 36.3	100 / 45.4	4	48	180 / 81.7
LV-5	1100	26 / 66.04	25.3 / 64.262	10.125 / 25.718	87 / 39.5	159 / 72	4	48	246 / 111.5

