



CABINET DEPICTED IS 350 VA. DIMENSIONS SHOWN ON CHART, PAGE 2.

Reliable Life Safety

Maximum Value

Highly Customizable



UL 924 Listed
Self-Testing
Self-Diagnostic



Build America
Buy America
Act Compliant



Buy
American Act
Compliant



Trade
Agreements
Act Compliant

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
- Red Wall Mounted Cabinet
- High Crest Factor and Inrush Capabilities
- Pure Sine Wave
- Summary Fault Dry Form C Contacts
- 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 (Except on 175 VA/W Systems)
- Floor Mount
- Battery Strapping
- Plenum Rated 175 VA Grid Mount Only
- Automatic Event, Test and Alarm Log
- NFPA 101 Self Testing and Data Logging
- Factory Startup and Training

SPECIFICATIONS

INPUT VOLTAGE	Field Selectable at 120 VAC or 277 VAC; 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 DISTORTION	Output Voltage Distortion < 10% for Resistive Loads
INVERTER TYPE	Line Interactive PWM Inverter Utilizing MOSFET Technology
GENERATORS	Compatible With Generators (10x Inverter Size)

BATTERIES	Maintenance Free VRLA Batteries
CHARGER	Microprocessor-Controlled, 3-Stage Battery Charger
ALARMS	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
INTERRUPT RATING	10 kAIC at 120 VAC; 1.5 kAIC at 277 VAC
INVERTER TEMP.	32°F / 0°C to 104°F / 40°C
BATTERY TEMP.	68°F / 20°C to 86°F / 30°C per UL 924 Specifications

ORDERING GUIDE

BUILD THE MODEL NUMBER LEFT → RIGHT · DASHED = OPTIONAL

EXAMPLE
MODEL #

BLI-LV	350	G	1	—	—	—	—
A	B	C	D	E	F	G	H
SYSTEM TYPE	VA / W	ENCLOSURE COLOR	MODEL TYPE	MOUNTING	OUTPUT BREAKERS	OPTIONS	ONSITE SERVICES

A SYSTEM TYPE ¹

BLI-LV	Standard
BLI-LVH	OSHDP ¹⁴

B VA / W ²

175	175
350	350
550	550
750	750
1100	1100 ¹⁰

C ENCLOSURE COLOR ⁵

G	Gray
R	Red
W	White

E MOUNTING

—	Standard wall mount
B	Floor mount (adds 2.7" to total system height; not required to mount 175 VA system)
G	Plenum rated grid mount ⁵
W	Recessed wall mount (175 VA system Type 1 only)

D MODEL TYPE

- 1 Standard (UL 924) ^{4, 10, 13}
- 2 Internal meter panel and advanced testing & logging (UL 924 & NFPA 101)
- 3 Advanced testing & logging — no meter panel (UL 924 & NFPA 101) ^{4, 6}
- 4 LV-5 internal meter panel and advanced testing & logging (UL 924 & NFPA 101) ¹⁰
- 5 LV-5 advanced testing & logging — no meter panel (UL 924 & NFPA 101) ¹⁰

H ONSITE SERVICES & WARRANTY ¹¹

LVST	Start up & same day training
TR	Training on day other than start up

F OUTPUT BREAKERS ³

B	OUTPUT	20	AMP	03	QTY
—	None				
B	Normally on				
N	Normally off ⁷				
S	Switched ^{7, 8, 9}				
AMP	5 · 10 · 15 · 20 — distribution breakers				
QTY	01-06				

G OPTIONS — MODEL TYPE 1

WALL OR FLOOR

CAN PICK ANY

D	Drip top (NEMA 2)
F	Battery charger upgrade (12-hour recharge)
LF	TVSS line filter
R	Infrared remote test
RT	Remote test switch, alarm & indicator
S	Battery strapping

CAN PICK 1

C	Status monitoring dry Form C contacts ⁹
DR	Dimming relay (breaks 0-10 V dimming signal) ⁹
O	Output transfer delay to emergency (factory set at 6 seconds) ⁹
Z	Zone monitoring (quantity must be specified; maximum of 3)

G OPTIONS — MODEL TYPE 2, 3, 4 & 5

WALL OR FLOOR

CAN PICK ANY

D	Drip top (NEMA 2)
F	Battery charger upgrade (12-hour recharge)
LF	TVSS line filter
R	Infrared remote test
S	Battery strapping

CAN PICK 1 ONLY

C	Status monitoring dry Form C contacts ⁹
DR	Dimming relay (breaks 0-10 V dimming signal) ⁹
O	Output transfer delay to emergency (factory set at 6 seconds) ⁹
Z	Zone monitoring (quantity must be specified; maximum of 3)
BAC	BACnet communications (MSTP)
BIP	BACnet IP ¹²
IOT	IoT Inverter Connect cloud communications ¹²
MIP	Modbus TCP/IP ¹²
MOD	Modbus RTU

MUST PICK 1 FOR TYPE 3 & 5

RMP	Remote meter
HH	Handheld meter

+ GRID MOUNT OPTIONS — 175 VA ⁵

R	Infrared remote test
RT	Remote test switch, alarm & indicator

Grid mount options are available for 175 VA units only (Grid Type 1).

DIMENSIONS — 90 MINUTE RUN SYSTEMS

Consult factory for BLI-LVH dimensions.

ELECTRONICS MODULE		CABINET DIMENSIONS				BATTERIES — 90 MIN @ FULL LOAD			TOTAL SYSTEM
PARTIAL MODEL NUMBER	VA / W	W IN/CM	H IN/CM	D IN/CM	WT LBS/KG	BATTERIES LBS/KG	# BATT.	VDC	TOTAL WT LBS/KG
BLI-LV-175 (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
BLI-LV-175 (recessed wall)	175	16.25 / 41.3	19.75 / 50.2	6.5 / 16.5	30 / 13.6	25 / 11.4	1	12	55 / 25
BLI-LV-175	175	14.25 / 36.2	17.75 / 45.1	6.5 / 16.5	30 / 13.6	25 / 11.4	1	12	55 / 25
BLI-LV-350	350	19 / 48.26	22 / 55.88	9.25 / 23.5	50 / 22.7	50 / 22.7	2	24	100 / 45.4
BLI-LV-550	550	19 / 48.26	22 / 55.88	9.25 / 23.5	55 / 24.9	75 / 34.0	3	36	130 / 59
BLI-LV-750	750	25.25 / 64.1	22 / 55.88	9.25 / 23.5	80 / 36.3	100 / 45.4	4	48	180 / 81.7
BLI-LV-1100	1100	26 / 66.04	25.3 / 64.3	10.125 / 25.7	87 / 39.5	159 / 72	4	48	246 / 111.5

NOTES

1. Wall mounted unit is standard.
2. VA = W.
3. Maximum output breakers available: 175 VA — no OCBs available; 350/550 VA — 3 OCBs max; 750 VA and 1100 VA — 6 OCBs max.
4. No meter panel included.
5. Grid/ceiling mounted system standard color is white, only available on 175 VA. All other models, the standard color is red.
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. 1100 VA systems are only available as Model Type 1, Type 4 and Type 5.
11. 3 year standard warranty includes all parts. Up to 10 years prorated warranty on batteries.
12. BIP / IOT / MIP options increase cabinet height by 8".
13. BIP, MIP & IOT are not available on Type 1 systems.
14. Options shown are for LV systems. LVH options may vary, consult factory.