



CABINET DEPICTED IS 5 KVA. DIMENSIONS SHOWN ON CHART, PAGE 2.

Proven Performance

Compatible with All Lighting & Motor Loads



UL 924 Listed
Self-Testing
Self-Diagnostic



Build America
Buy America
Act Compliant



Buy
American Act
Compliant



Trade
Agreements
Act Compliant

STANDARD FEATURES

- 98% Efficient Typical
- Automatic Event, Test, and Alarm Log
- User Programmable With Password Protection
- Input Circuit Breaker
- RS232 Communications Port
- Space-Saving Design
- No Break 2 ms 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
- Internal or External Maintenance Bypass
- Summary Alarm
- Output Circuit Breakers
- Status Monitoring & Summary Form C Contacts
- Normally Off Output with Time Delay
- Output Trip Alarms
- Seismic
- Factory Startup & Training
- Extended Maintenance & Factory Warranty

SPECIFICATIONS

INPUT VOLTAGE	120 or 277 VAC 1-Phase 2-Wire Plus Ground
OUTPUT VOLTAGE	120 or 277 VAC 1-Phase 2-Wire Plus Ground
LOAD POWER FACTOR	Output .5 Lag to .5 Lead
OUTPUT DISTORTION	Output Voltage Distortion Less Than 3% THD for Linear Loads
CUSTOM VOLTAGE	Available (Contact Factory)
COOLING	Forced Air Cooling Only During Emergency Operation; No Filters Required

LOAD TYPES	Compatible with All Lighting and Motor Loads
GENERATORS	Generator Compatibility
RUNTIME	90 Minute Standard; Extended Runtimes Available upon Request
INVERTER TEMP.	32°F to 104°F (0°C to 40°C)
BATTERY TEMP.	68°F to 86°F (20°C to 30°C) per UL 924 Specifications

ORDERING GUIDE

BUILD THE MODEL NUMBER LEFT → RIGHT · SHADED = OPTIONAL

EXAMPLE
MODEL #

1	BLI-E	3.75	S	—	BA2007	T-S-M	2YW
A	B	C	D	E	F	G	H
VOLTAGE IN / OUT	SYSTEM TYPE	KVA / KW	BATTERY TYPE	RUNTIME (BLANK = 90 MIN)	OUTPUT BREAKERS	OPTIONS	WARRANTY

A VOLTAGE IN / OUT ¹

1	120 – 120
2	120 – 120/277
3	208 – 120
4	240 – 120/240
5	277 – 120
6	277 – 277
7	277 – 277/120
8	208 – 120/240
A	208 – 120/208
Z	Other voltages (may require UL testing)

B SYSTEM TYPE

BLI-E	Fast transfer
BLI-IE	50 mS transfer
BLI-EH	Fast transfer + OSHPD
BLI-IEH	50 mS transfer + OSHPD

D BATTERY TYPE

S	Standard 10-yr warranty battery
S15	15-yr warranty battery
G	20-yr warranty battery

E RUNTIME ³

—	Blank = 90 minutes standard
R120	120 minutes – n/a in 16.7 kVA, see note 3

H 2YW

Startup + same-day training · electronics warranty 1 → 2 yr ⁶C KVA / KW ²

1.5	1.5
2.25	2.25
3	3.0
3.75	3.75
5	5.0
6	6.0
8	8.0
10	10.0
12.5	12.5
16.7	16.7

+ ACCESSORIES

DT	Drip top (NEMA 2)
EMBP	External maintenance bypass switch – note A
SPARES	Spare fuses & circuit boards
SPAREF	Spare fuses

F OUTPUT BREAKERS ⁵

B	OUTPUT
A	VOLTAGE
20	AMP
07	QTY

B Output normally on
N Output normally off ⁴
A 120
B 208
C 240
D 277
Z Other – contact factory
AMP 10 · 16 · 20 · 25 · 32 · 40 · 50 · 63 – distribution breakers
QTY Maximums per frame – see note 5

G OPTIONS

A	Remote summary alarm panel, 1 light (n/a with C)
BL	Circuit breaker locking mechanism
BCF	Battery cabinet fan (included with BTM)
BTM	Battery temperature monitor
C	Status monitoring dry Form C contacts
F	Fast charge
I	Inverter-on dry Form C contact
M	Internal maintenance bypass (make before break)
M(BBM)	Internal maintenance bypass (break before make)
O	Output transfer delay – 3 s factory, adj. .5–8 s
P	Remote status panel (requires C)
R	Remote meter panel
S	Summary fault dry Form C contacts
T	Output trip (supervised) alarm ⁵
TD	Time delay 15 minutes ⁷
Z	Seismic mounting ^{8,9}

G COMMUNICATIONS · PICK 1

BAC	BACnet
BIP	BACnet IP
IOT	IoT Inverter Connect cloud communications
MIP	Modbus TCP/IP
MOD	Modbus RTU
SEA	Serial-to-Ethernet adapter

DIMENSIONS – 90 MINUTE RUN SYSTEMS

Alternate runtimes may affect cabinet size – contact factory. · Dimensions represent BLI-E and BLI-IE; consult factory for BLI-EH and BLI-IEH.

ELECTRONICS MODULE						CABINET DIMENSIONS				BATTERIES – 90 MIN @ FULL LOAD			TOTAL SYSTEM
MODEL	KVA / KW	VDC	EFF. %	NOISE DB	HEAT BTU	W IN/CM	H IN/CM	D IN/CM	WT LBS/KG	BATTERIES LBS/KG	# BATT.	CURRENT A	TOTAL WT LBS/KG
BLI-E-1.5	1.5	48	98	45	102	30 / 77	47 / 119	25 / 64	215 / 98	296 / 135	4	39	511 / 230
BLI-E-2.25	2.25	72	98	45	153	30 / 77	47 / 119	25 / 64	230 / 105	444 / 200	6	38	679 / 306
BLI-E-3	3.0	96	98	45	204	30 / 77	47 / 119	25 / 64	235 / 107	592 / 266	8	38	827 / 372
BLI-E-3.75	3.75	120	98	45	255	30 / 77	47 / 119	25 / 64	240 / 109	740 / 330	10	37	980 / 441
BLI-E-5	5.0	144	98	45	340	30 / 77	47 / 119	25 / 64	280 / 128	888 / 400	12	40	1,168 / 525
BLI-E-6	6.0	180	98	45	408	48 / 122	76 / 193	25 / 64	605 / 272	1,110 / 500	15	40	1,715 / 772
BLI-E-8	8.0	240	98	45	544	48 / 122	76 / 193	25 / 64	640 / 288	1,480 / 666	20	39	2,120 / 954
BLI-E-10	10.0	144	98	45	680	48 / 122	76 / 193	25 / 64	785 / 353	1,776 / 800	24	82	2,561 / 1,153
BLI-E-12.5	12.5	180	98	45	860	48 / 122	76 / 193	25 / 64	805 / 362	2,220 / 999	30	82	3,025 / 1,361
BLI-E-16.7	16.7	240	98	45	1135	48 / 122	76 / 193	25 / 64	885 / 398	2,960 / 1,332	40	80	3,845 / 1,730

NOTES

- 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 16.7 kVA 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) or 8 supervised (1-pole) for 1.5 kVA–5 kVA; 24 unsupervised (1-pole) or 18 supervised (1-pole) for 6 kVA–16.7 kVA. Breakers provided are 20 amps unless specified otherwise; a 2-pole breaker occupies 2 positions. Additional output breakers available on 1.5 kVA–5 kVA units with optional top mount enclosure – contact factory for details.
- One year warranty is standard.
- Time delay of normally off circuit will stay activated 15 minutes after return of utility.
- Anchorage based on calculations. For systems requiring OSHPD/Withstand testing, see Illuminator E-H.
- Seismic mounting increases footprint from that noted above. Contact factory for detailed seismic mounting drawing.
- With External Maintenance Bypass Switch, only main output breaker is available.