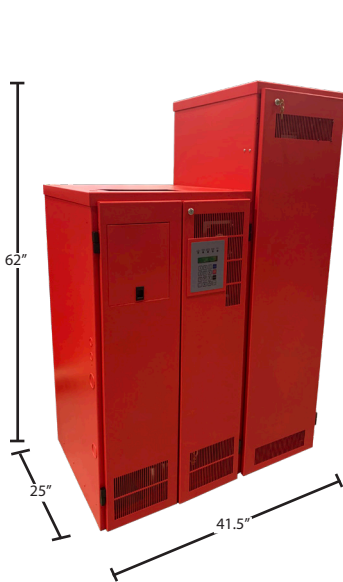


Illuminator Hypernova Series

Three Phase Emergency Lighting Inverter System

Three Phase Systems 5.0KVA/KW to 50.0KVA/KW
Designed with Industry Leading Compact Footprint

Models 5.0KVA to 10.0KVA



Models 12.5KVA to 16.7KVA



Models 25.0KVA to 50.0KVA



STANDARD FEATURES

- 98% Efficient
- PWM/IGBT Technology and Micro-Controller
- Internal Maintenance Bypass
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- 2ms Transfer Time
- Low Audible Noise
- Space-Saving Design

OPTIONAL FEATURES

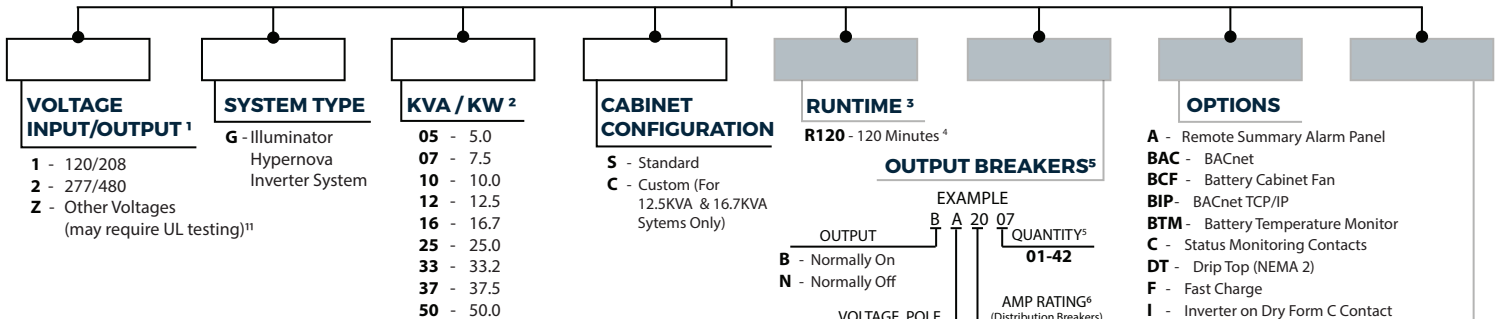
- Enhanced Communications
 - Expanded Building Management Protocols
 - NEW IoT Connect Cloud Software**
- External Maintenance Bypass
- Summary Form C Contacts
- Remote Meter Panel
- Output Circuit Breakers
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Remote Summary Alarm Panel

SPECIFICATIONS

- Input Voltage: 120/208VAC or 277/480 VAC
3-Phase 4-Wire Plus Ground
- Output Voltage: 120/208VAC or 277/480 VAC
3-Phase 4-Wire Plus Ground
- Output Load Power Factor .5 Lag to .5 Lead
- Compatible with all LED Drivers
- Forced Air Cooling Only During Emergency Operation;
No Filters Required
- Output Distortion Less than 3% THD for Linear Loads
- Compatible with Generators (10x Inverter Size)
- Custom Voltages Available
- 90 Minute Runtime Standard;
Other Runtimes Available upon Request
- 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

ORDERING GUIDE

Example Model Number:
1-G-05-S-BA2007-T-2YW



VOLTAGE INPUT/OUTPUT¹

- 1 - 120/208
- 2 - 277/480
- Z - Other Voltages (may require UL testing)¹¹

SYSTEM TYPE

- G - Illuminator
- Hypervnova
- Inverter System

KVA / KW²

- 05 - 5.0
- 07 - 7.5
- 10 - 10.0
- 12 - 12.5
- 16 - 16.7
- 25 - 25.0
- 33 - 33.2
- 37 - 37.5
- 50 - 50.0

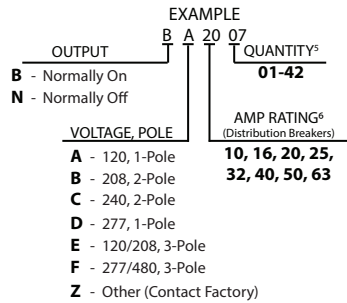
CABINET CONFIGURATION

- S - Standard
- C - Custom (For 12.5KVA & 16.7KVA Systems Only)

RUNTIME³

R120 - 120 Minutes⁴

OUTPUT BREAKERS⁵



OPTIONS

- A - Remote Summary Alarm Panel
- BAC - BACnet
- BCF - Battery Cabinet Fan
- BIP - BACnet TCP/IP
- BTM - Battery Temperature Monitor
- C - Status Monitoring Contacts
- DT - Drip Top (NEMA 2)
- F - Fast Charge
- I - Inverter on Dry Form C Contact
- IoT - IoT Inverter Connect Cloud Communications
- L - Load Control Relay (Dimmer or Switch Bypass)¹¹
- MIP - Modbus TCP/IP
- MOD - Modbus RTU
- O - Output Transfer Delay (3 Seconds)
- P - Remote Status Panel (Status Alarms, Requires C Option)
- R - Remote Meter Panel
- S - Summary Fault Form C Contacts
- SEA - Serial to Ethernet Adapter
- T - Output Trip (Supervised) Alarm⁵
- V - Time Delay 15 Minutes
- Z - Seismic Mounting¹⁰
- ZM - Zone Monitoring (Quantity Must Be Specified)

NOTE: Not all options are described in UL file.

1. Standard input voltage is 4-Wire Wye. 3-Wire Delta Input requires external isolation transformer.
2. KVA= KW
3. Standard battery run time is 90 minutes.
4. Please contact the factory. Additional runtime may affect the system's dimensions.
5. Maximum output breakers available:
 - 5K-10K - 1 Internal; 30 with enclosure (consult factory)
 - 12.5K-16.7K - 12 Internal; 42 with enclosure (consult factory)
 - 25-50K - 24 Internal, 36 Internal with extra tray (consult factory)
 Breakers provided are 20 Amps unless specified otherwise. Combinations of 1, 2, and 3 pole breakers available (consult factory).
6. Higher AMP ratings available-contact factory.
7. One year warranty is standard.
8. Maintenance bypass switch is a "make before break".
9. Cannot purchase External Maintenance Bypass Switch with Circuit Breaker options.
10. Anchorage based on calculations. For systems requiring OSHPD/Withstand testing, please contact the factory.
11. Contact factory.

WARRANTY⁷

- 2YW - Start Up & Same Day Training
- 5YP - 5-Year Service Plan
- 5YW - 5-Year Extended Electronics Warranty

- = Required feature for part number.
- = Optional feature. Not required for part number.

ACCESSORIES
EMBP - External Maintenance Bypass Switch^{8,9}

DIMENSIONS (90 MINUTE RUN SYSTEMS)⁴

Electronics Module				Batteries 90 Minutes @ Full Load				Total System						
Partial Model Number	Power Rating (KVA / KW)	Efficiency (%)	Audible Noise (db)	Cabinet Dimensions				Battery Cabinet Dimensions				Number of Batteries	Dimensions W x H x D (in)	Weight (lbs)
				Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs)	QTY	Width (in / cm)	Height (in / cm)	Depth (in / cm)			
G-05	5.0	97	45	24 / 61	47 / 119	25 / 64	485	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	1,730
G-07	7.5	97	45	24 / 61	47 / 119	25 / 64	485	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	1,970
G-10	10.0	97	45	24 / 61	47 / 119	25 / 64	590	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	2,315
G-12 (Standard)	12.5	97	45	30 / 76	47 / 119	25 / 64	640	1	22.75 / 58	77 / 196	25 / 64	15	53 x 77 x 25	2,815
G-12 (Custom)	12.5	97	45	30 / 76	47 / 119	25 / 64	640	1	28 / 71.5	62 / 157.5	25 / 64	20	58 x 62 x 25	3,040
G-16 (Standard)	16.7	97	45	30 / 76	47 / 119	25 / 64	640	1	22.75 / 58	77 / 196	25 / 64	20	53 x 77 x 25	3,415
G-16 (Custom)	16.7	97	45	30 / 76	47 / 119	25 / 64	640	1	28 / 71.5	62 / 157.5	25 / 64	20	58 x 62 x 25	3,440
G-25	25.0	97	45	37.5 / 95	72 / 182	25 / 64	1150	2	45.5 / 116	77 / 196	25 / 64	40	83 x 77 x 25	5,900
G-33	33.2	97	45	37.5 / 95	72 / 182	25 / 64	1150	2	45.5 / 116	77 / 196	25 / 64	40	83 x 77 x 25	6,700
G-37	37.5	97	45	37.5 / 95	72 / 182	25 / 64	1360	3	68.25 / 173.5	77 / 196	25 / 64	60	106 x 77 x 25	8,485
G-50	50.0	97	45	37.5 / 95	72 / 182	25 / 64	1360	3	68.25 / 173.5	77 / 196	25 / 64	60	106 x 77 x 25	9,685