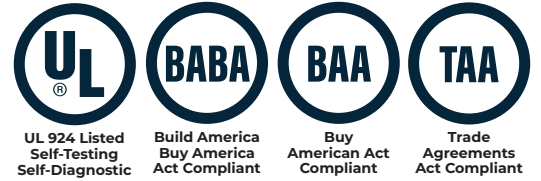


# ILLUMINATOR HYPERNOVA

## Emergency Lighting Inverter System



**THREE PHASE SYSTEMS**  
**60kVA/kW**  
Designed with Industry Leading  
Compact Footprint



### STANDARD FEATURES

- 98% Efficient (Typical)
- PWM/IGBT Technology & Microprocessor Control
- Internal Maintenance Bypass
- User Programmable With Password Protection
- Automatic Event & Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- Low Audible Noise (45 dBA @1m)
- NEMA Type 1 Cabinet

### OPTIONAL FEATURES

- Enhanced Communications
  - Expanded Building Management Protocols
  - BACnet or Modbus Communications Interface
  - NEW IoT Connect Cloud Software
- External Maintenance Bypass
- Status Monitoring Dry Form C Contacts
- Summary Dry Form C Contacts
- Output Circuit Breakers
- Remote Meter Panel
- Extended Factory Warranty, Startup & Training

### SPECIFICATIONS

- Input and Output 277/480 VAC, 3-Phase 4-Wire Wye Configuration
- Output Load Power Factor .5 Lag to .5 Lead
- Compatible with All Lighting and Motor Loads
- Output Distortion Less Than 3% THD for Linear Loads
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Generator Compatibility
- 90 Minute Runtime Standard

# ILLUMINATOR HYPERNOVA

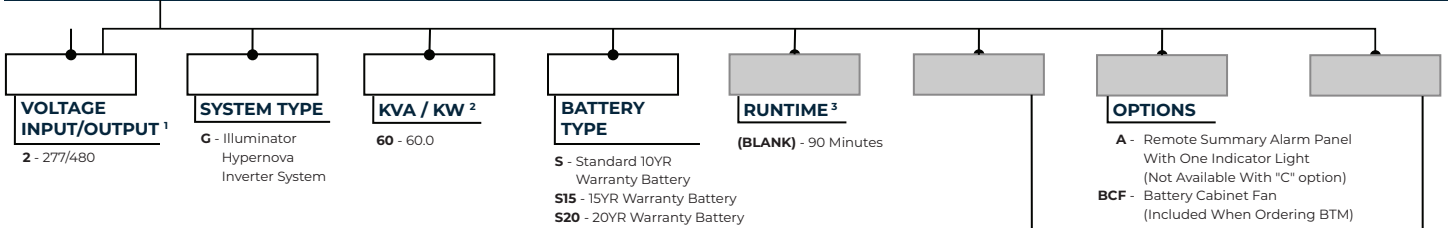
## Emergency Lighting Inverter

### Three Phase Systems 60kVA/kW



### ORDERING GUIDE

### EXAMPLE MODEL # 2-G-60-S-C-BAC-2YW



**ACCESSORIES**  
**DT** - Drip Top (NEMA 2)  
**EMBP** - External Maintenance Bypass Switch \*\*  
**SPARES** - Spare Parts Kit  
**SPAREF** - Spare Fuses  
 A) With External Maintenance Bypass Switch, only main output breaker is available.

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

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, including 120 minute may affect the system's dimensions. R120 not available in 60kVA.
5. Maximum output breakers available: 24 (1-pole) unsupervised or 16 (1-pole) supervised and with an extra tray an additional 14 (1-pole) unsupervised or 12 (1-pole) supervised. 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".
10. Anchorage based on calculations - will increase system width. For systems requiring OSHPD/Withstand testing, please see CIII-H.

**OUTPUT BREAKERS <sup>5</sup>**  
 EXAMPLE  
 B A 20 07  
**OUTPUT**  
 B - Normally On  
 N - Normally Off  
**QUANTITY <sup>5</sup>**  
 See Note 5  
**AMP RATING <sup>6</sup>**  
 (Distribution Breakers)  
**10, 16, 20, 25, 32, 40, 50, 63**  
**VOLTAGE, POLE**  
 D - 277, 1-Pole  
 F - 277/480, 3-Pole  
 G - 480, 2-Pole

- OPTIONS**
- A** - Remote Summary Alarm Panel With One Indicator Light (Not Available With "C" option)
  - BCF** - Battery Cabinet Fan (Included When Ordering BTM)
  - BL** - Circuit Breaker Locking Mechanism (Includes BCF)
  - BTM** - Battery Temperature Monitor (Includes BCF)
  - C** - Status Monitoring Dry Form C Contacts
  - F** - Fast Charge
  - I** - Inverter on Dry Form C Contact
  - O** - Output Transfer Delay (Factory Set at 3 Seconds, Adjustable 0 to 7.5 Seconds)
  - P** - Remote Status Panel (Status Alarm/Alarm Silence Switch) (Requires C Option)
  - S** - Summary Fault Dry Form C Contacts
  - T** - Output Trip (Supervised) Alarm <sup>5</sup>
  - Z** - Seismic Mounting <sup>9</sup>

- PICK 1:**
- BAC** - BACnet
  - BIP** - BACnet IP
  - IOT** - IoT Inverter Connect Cloud Communications
  - MIP** - Modbus TCP/IP
  - MOD** - Modbus RTU
  - R** - Remote Meter Panel (Standard 100FT Cable)
  - SEA** - Serial to Ethernet Adapter

### WARRANTY <sup>7</sup>

- 2YW** - Start Up & Same Day Training (Increases Standard 1 Year Electronics Warranty to 2 years)
- 2YWT** - Start Up, Same Day Training and Full Run Test (Increases Standard 1 Year Electronics Warranty to 2 years)
- 5YP** - 5-Year Maintenance Plan
- 5YW** - 5-Year Extended Electronics Warranty (Includes 3 Years of Extended Electronics Warranty When Combined With 2YW)
- TR** - Training (if Required on Day Other Than Start Up)

## DIMENSIONS (90 MINUTE RUN SYSTEMS)<sup>3</sup> Alternate runtimes may affect cabinet size - contact factory.

UPS Electronics Module									Total System	
Partial Model Number	Power Rating (kVA / kW)	Efficiency (@ full load) (Typical)	Audible Noise (dBA @1m)	Heat Loss (BTU)	Cabinet Dimensions				Dimensions W X H X D (in)	Weight (lbs / kg)
					Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)		
G-60	60.0	98	45	4092	44 / 112	72 / 183	31 / 79	1460/658	135 x 77 x 31	12560 / 5704

Battery Module								Batteries	
Voltage (VDC)	Current (Amperes)	Runtime (mins)	Number of Batteries Cabinets	Battery Cabinet Dimensions				Total Number of Batteries	Total Battery Weight (lbs / kg)
				Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)		
240	291	90	4	91 / 232	77 / 196	25 / 64	1500 / 680	80	9600 / 4360