

ILLUMINATOR HYPERNOVA

Emergency Lighting Inverter System



THREE PHASE SYSTEMS

60kVA/kW

Designed with Industry Leading
Compact Footprint



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)
- 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

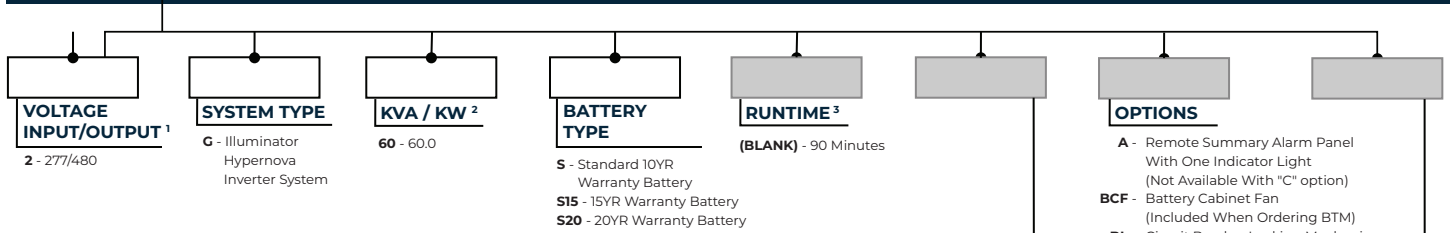
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ORDERING GUIDE

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



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

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

☐ = Required feature for part number.

☐ = Optional feature. Not required for part number.

- Standard input voltage is 4-Wire Wye. 3-Wire Delta Input requires external isolation transformer.
- KVA= KW
- Standard battery run time is 90 minutes.
- Please contact the factory. Additional runtime, including 120 minute may affect the system's dimensions. R120 not available in 60kVA.
- 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).
- Higher AMP ratings available - contact factory.
- One year warranty is standard.
- Maintenance bypass switch is a "make before break".
- Anchorage based on calculations - will increase system width. For systems requiring OSHPD/Withstand testing, please see CIII-H.

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 ⁷

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)³

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