

Hypernova Series 80kVA

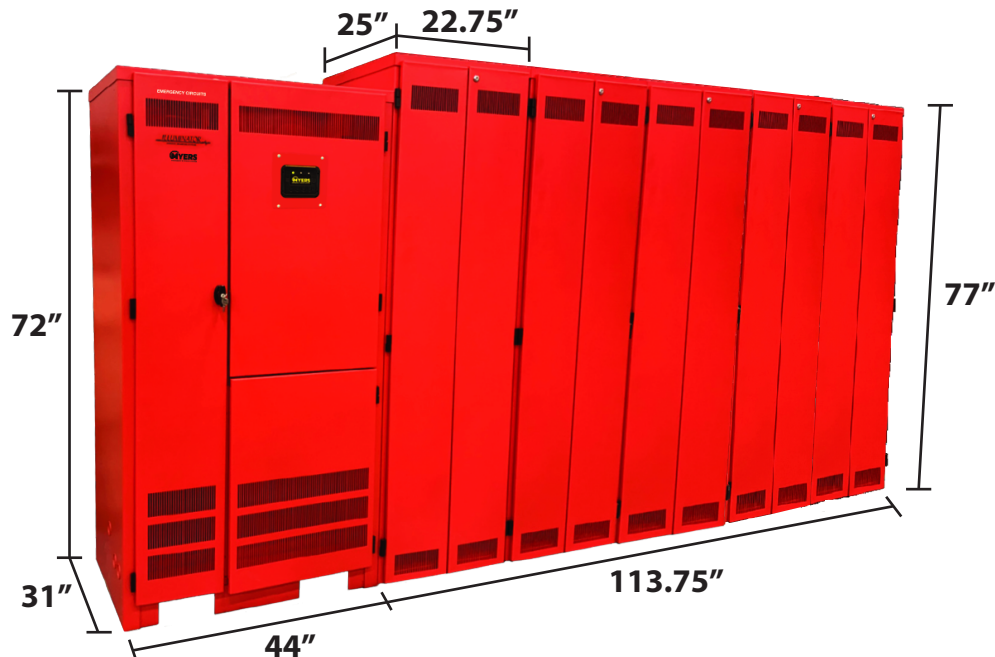
Inverter Power System



THREE PHASE SYSTEM

80kVA

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 .81 Lag to .81 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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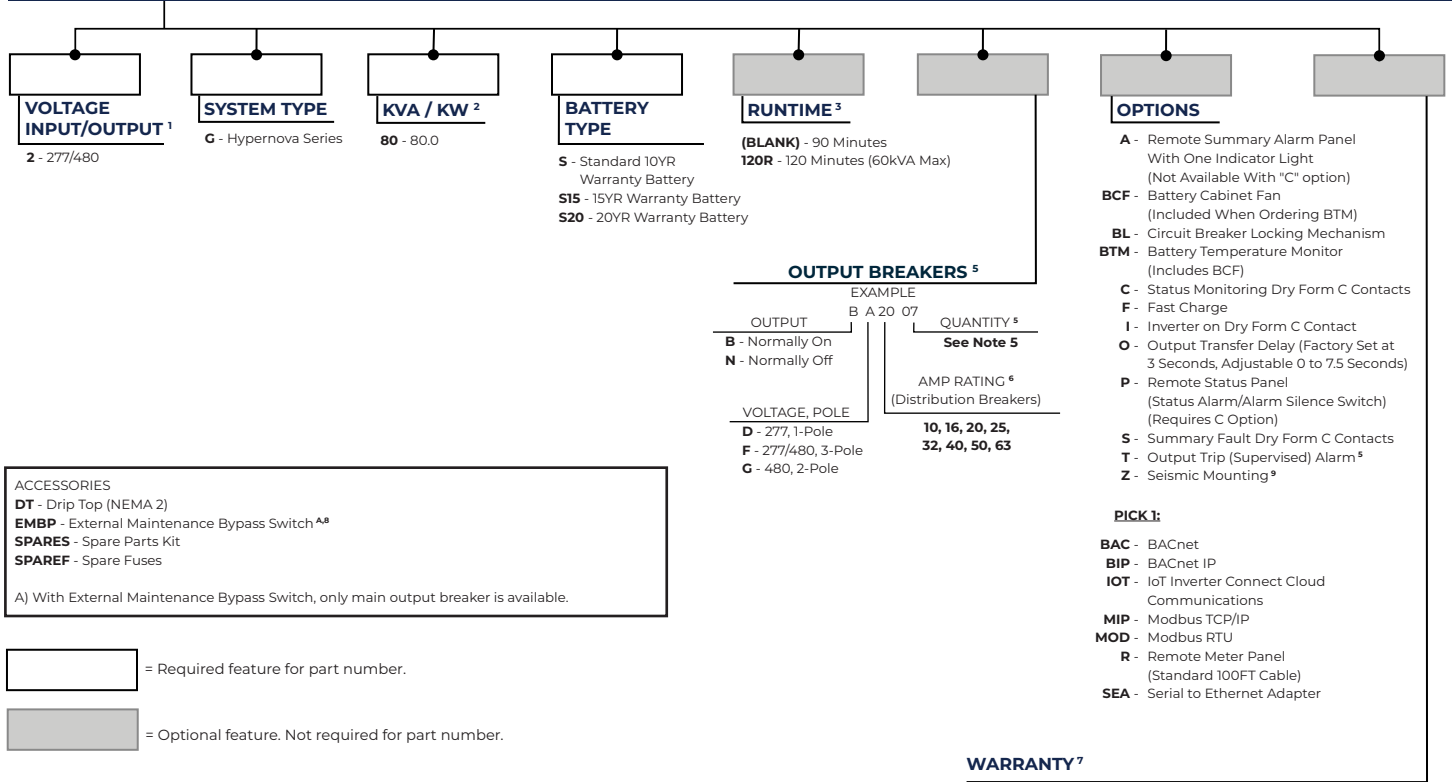
Three-Phase Inverter Power System

80kVA



ORDERING GUIDE

EXAMPLE MODEL # 2-G-80-S-C-BAC-2YW



- 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 quoting for additional runtime. Additional runtime may affect the system's dimensions. Max 120-minute runtime available is 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.

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-80	80.0	98	45	5460	44 / 112	72 / 183	31 / 79	1550 / 703	160 x 77 x 31	15425 / 6997

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	390	90	5	113.75 / 290	77 / 196	25 / 64	1875 / 850	100	13875 / 6294