

ILLUMINATOR CIII

Emergency Lighting Inverter System



THREE PHASE SYSTEMS

4.8kVA/kW to 50kVA/kW

Designed with Industry Leading
Compact Footprint



UL 924 Listed
Self-Testing
Self-Diagnostic



Build America
Buy America
Act Compliant



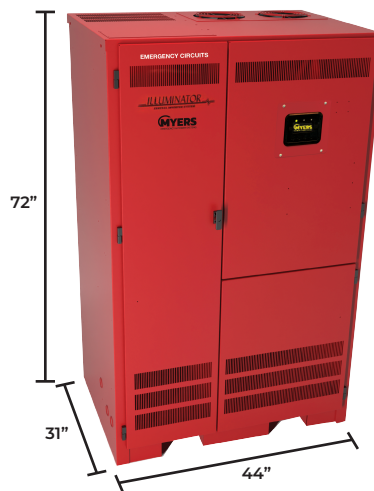
Buy
American Act
Compliant



Trade
Agreements
Act Compliant

4.8kVA to 16.7kVA*

*Electronics cabinet dimensions.
Battery cabinet dimensions
shown on chart.



24kVA to 50kVA*

*Electronics cabinet dimensions.
Battery cabinet dimensions
shown on chart.

STANDARD FEATURES

- 98% Efficient Typical
- PWM/IGBT Technology and Micro-Controller
- Internal Maintenance Bypass
- User Programmable with Password Protection
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- 2ms Transfer Time
- Low Audible Noise (45 dBA @1m)
- Space-Saving Design
- 65kAIC Withstanding Rating
- 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
- Summary Alarm Dry Form C Contacts
- Internal Output Distribution Circuit Breakers
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Remote Panels (Meter, Status or Summary Alarm)
- Extended Factory Warranty and Maintenance Contracts

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 3 or 4-Wire Plus Ground
- Output Load Power Factor .5 Lag to .5 Lead
- Compatible with All Lighting and Motor Loads
- 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; 120 available
- 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

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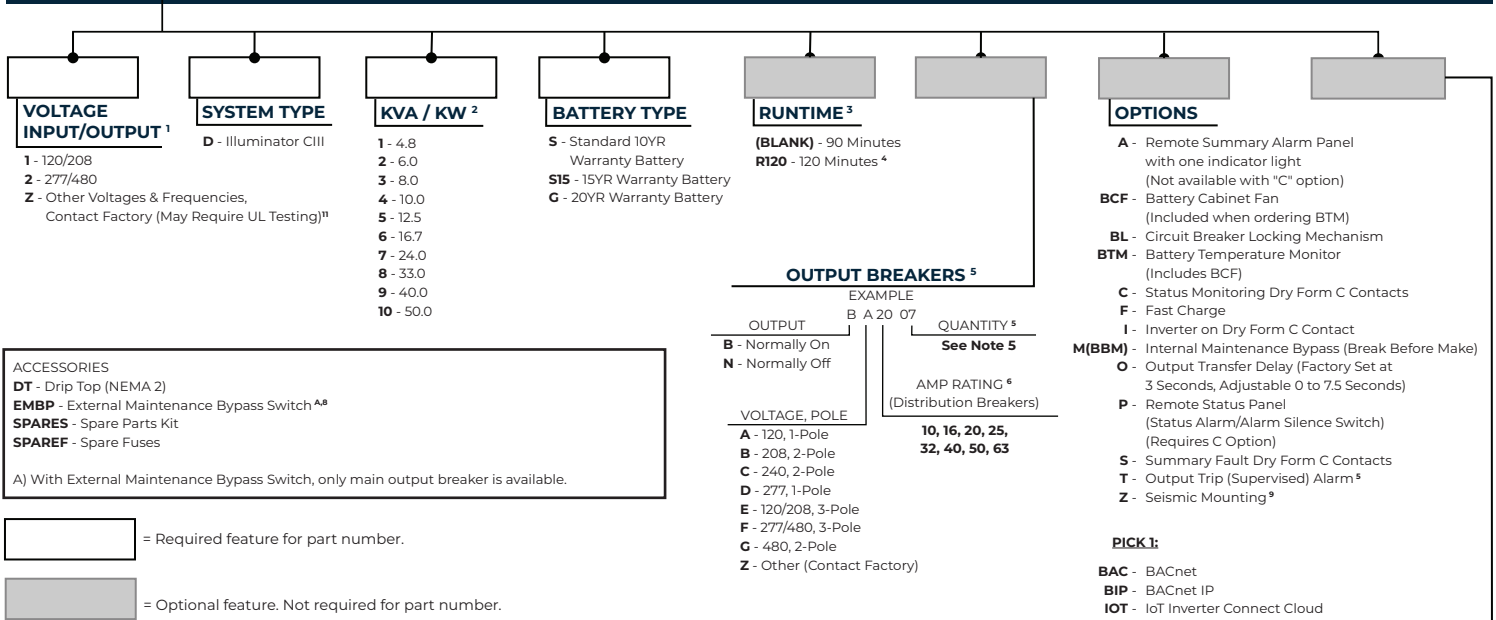
Emergency Lighting Inverter

Three Phase Systems 4.8kVA/kW to 50kVA/kW



ORDERING GUIDE

EXAMPLE MODEL # 1-D-4-S-BA2007-F-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 the factory. Additional runtime, including 120 minute may affect the system's dimensions.
- Maximum output breakers available:
 - 4.8K-16.7K - 12 (1-pole) unsupervised or 8 (1-pole) supervised and with the addition of a top mount enclosure, an additional 30 (1-pole) unsupervised or 20 (1-pole) supervised.
 - 24K-50K - 24 (1-pole) unsupervised or 16 (1-pole) supervised. With an extra tray, an additional 12 (1-pole) unsupervised (for a total of 36), or 14 (1-pole) supervised (for a total of 30). Note: With extra tray of output breakers, a main 3-pole output breaker cannot be provided.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.

WARRANTY⁷

- 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)⁴

Alternate runtimes may affect cabinet size - contact factory.

Electronics Module							Batteries 90 Minutes @ Full Load							Total System	
Partial Model Number	Power Rating (KVA / KW)	Heat Loss (BTU)	Cabinet Dimensions				Voltage (VDC)	Current (Amps)	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)			
D-1-S	4.8	326	30 / 77	47 / 120	25 / 64	535	144	39	1	30 / 77	47 / 120	25 / 64	12	60 x 47 x 25	1633
D-2-S	6.0	408	30 / 77	47 / 120	25 / 64	535	180	39	1	30 / 77	47 / 120	25 / 64	15	60 x 47 x 25	1855
D-3-S	8.0	544	30 / 77	47 / 120	25 / 64	535	240	39	1	30 / 77	47 / 120	25 / 64	20	60 x 47 x 25	2247
D-4-S	10.0	680	30 / 77	47 / 120	25 / 64	639	144	81	1	30 / 77	47 / 120	25 / 64	24	60 x 47 x 25	2835
D-5-S	12.5	850	30 / 77	47 / 120	25 / 64	639	180	81	2	30 / 77	47 / 120	25 / 64	30	90 x 47 x 25	3279
D-6-S	16.7	1136	30 / 77	47 / 120	25 / 64	639	240	81	2	30 / 77	47 / 120	25 / 64	40	90 x 47 x 25	4063
D-7-S	24.0	1632	44 / 112	72 / 183	31 / 79	1250	240	117	1	48 / 122	72 / 183	31 / 79	60	92 x 72 x 31	6390
D-8-S	33.0	2244	44 / 112	72 / 183	31 / 79	1250	240	160	2	48 / 122	72 / 183	31 / 79	80	140 x 72 x 31	8630
D-9-S	40.0	2720	44 / 112	72 / 183	31 / 79	1450	240	194	2	48 / 122	72 / 183	31 / 79	100	140 x 72 x 31	10150
D-10-S	50.0	3400	44 / 112	72 / 183	31 / 79	1460	240	243	2	48 / 122	72 / 183	31 / 79	120	140 x 72 x 31	11980