

Illuminator IE

Emergency Lighting Inverter System

Single Phase Interruptible Power Systems
1.5KVA/KW to 16.7KVA/KW For LED & All Other Non-HID Lighting Loads



STANDARD FEATURES

- 98% Efficient (Typical)
- PWM/IGBT Technology
- Micro-Processor Control
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- 50ms Transfer Time
- Low Audible Noise
- Normally Off Output
- Space-Saving, Single Cabinet Design
- 65kAIC Interrupting Rating

OPTIONAL FEATURES

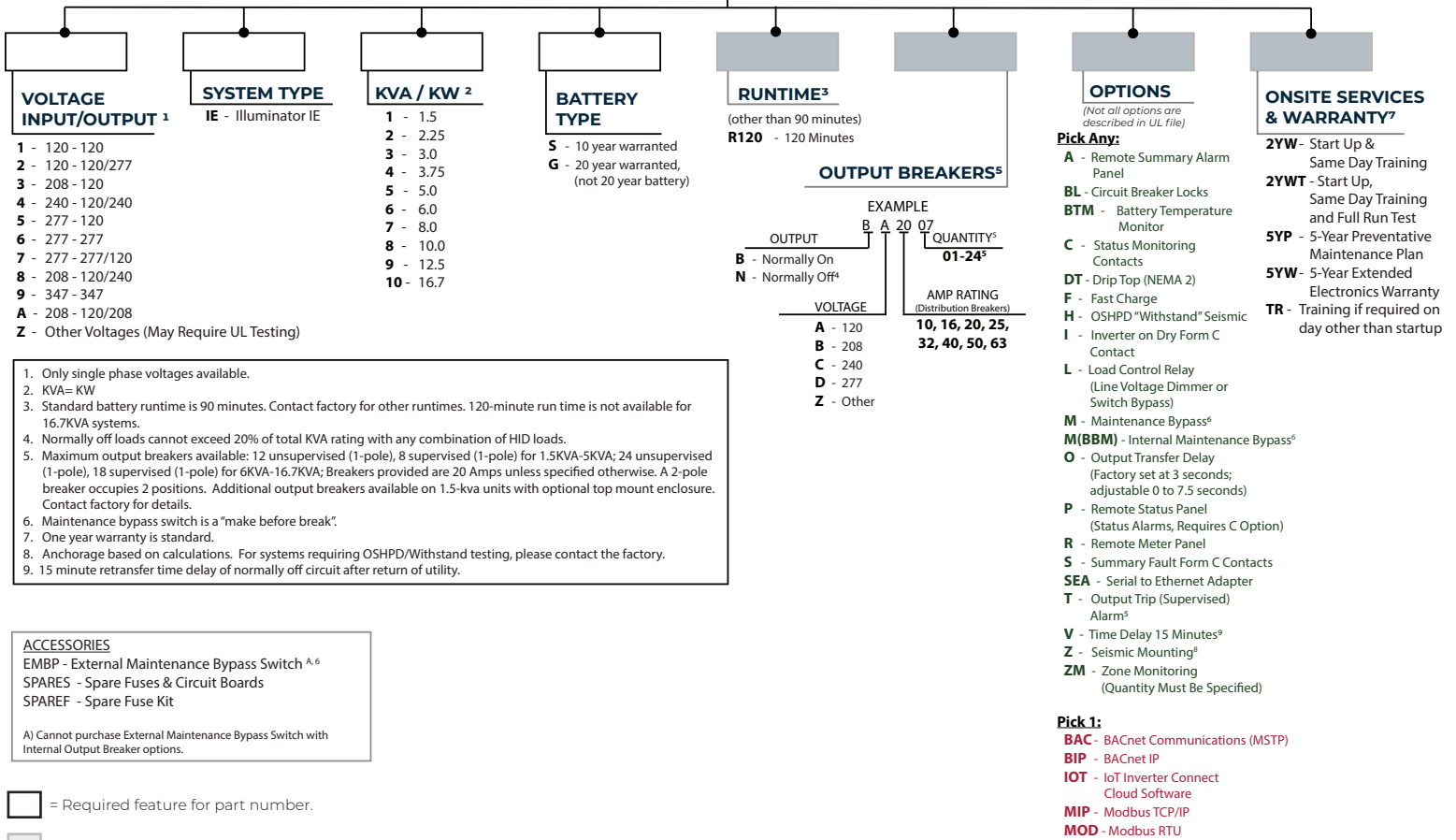
- Enhanced Communications
 - Expanded Building Management Protocols
 - BACnet or Modbus Communications Interface
 - NEW IoT Connect Cloud Software**
- Internal Maintenance Bypass
- Summary Fault Form C Dry Contacts
- Fast Charge
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Output Trip Alarms
- Remote Summary Alarm Panel

SPECIFICATIONS

- Input 120 or 277VAC 1 Phase 2 Wire Plus Ground
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- 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

ORDERING GUIDE

Example Model Number:
1-IE-4-S-BA2007-T-S-M-2YW



1. Only single phase voltages available.
2. KVA=KW
3. Standard battery runtime is 90 minutes. Contact factory for other runtimes. 120-minute run time is not available for 16.7KVA systems.
4. Normally off loads cannot exceed 20% of total KVA rating with any combination of HID loads.
5. Maximum output breakers available: 12 unsupervised (1-pole), 8 supervised (1-pole) for 1.5KVA-5KVA; 24 unsupervised (1-pole), 18 supervised (1-pole) for 6KVA-16.7KVA; Breakers provided are 20 Amps unless specified otherwise. A 2-pole breaker occupies 2 positions. Additional output breakers available on 1.5-kva units with optional top mount enclosure. Contact factory for details.
6. Maintenance bypass switch is a "make before break".
7. One year warranty is standard.
8. Anchorage based on calculations. For systems requiring OSHPD/Withstand testing, please contact the factory.
9. 15 minute retransfer time delay of normally off circuit after return of utility.

ACCESSORIES
EMBP - External Maintenance Bypass Switch A⁶
SPARES - Spare Fuses & Circuit Boards
SPAREF - Spare Fuse Kit

A) Cannot purchase External Maintenance Bypass Switch with Internal Output Breaker options.

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

DIMENSIONS

Electronics Module									Batteries 90 Minutes @ Full Load				
Model Number	Power Rating (KVA / KW)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions				90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	Total System Weight (lbs / kg)
					Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)					
IE-1-S	1.5	98	45	102	30 / 77	47 / 119	25 / 64	215 / 98	296 / 135	4	48	39	511 / 230
IE-2-S	2.25	98	45	153	30 / 77	47 / 119	25 / 64	230 / 105	444 / 200	6	72	38	679 / 306
IE-3-S	3.0	98	45	204	30 / 77	47 / 119	25 / 64	235 / 107	592 / 266	8	96	38	827 / 372
IE-4-S	3.75	98	45	255	30 / 77	47 / 119	25 / 64	240 / 109	740 / 330	10	120	37	980 / 441
IE-5-S	5.0	98	45	340	30 / 77	47 / 119	25 / 64	280 / 128	888 / 400	12	144	40	1168 / 525
IE-6-S	6.0	98	45	408	48 / 122	76 / 193	25 / 64	605 / 272	1110 / 500	15	180	40	1715 / 772
IE-7-S	8.0	98	45	544	48 / 122	76 / 193	25 / 64	640 / 288	1480 / 666	20	240	39	2120 / 954
IE-8-S	10.0	98	45	680	48 / 122	76 / 193	25 / 64	785 / 353	1776 / 800	24	144	82	2561 / 1153
IE-9-S	12.5	98	45	860	48 / 122	76 / 193	25 / 64	805 / 362	2220 / 999	30	180	82	3025 / 1361
IE-10-S	16.7	98	45	1135	48 / 122	76 / 193	25 / 64	885 / 398	2960 / 1332	40	240	80	3845 / 1730

