

## Illuminator CR

Outdoor-Rated Emergency Lighting Inverter System

Single Phase Systems 3KVA/KW to 8KVA/KW



### STANDARD FEATURES

- UL 924 Listed for Operating Temperatures 10° to 40°C (50° to 104°F)
- NEMA 3R Enclosure with Extra Variable Speed Temperature Controlled Fans for Forced Air Cooling.
- White, Exterior Grade, Baked Powder Coat Painted Steel Enclosure
- Conformal Coat all Printed Circuit Boards
- Maintenance Bypass (Internal) - **Make Before Break**
- Summary Dry Form C Contacts
- Seismic Bracing
- CORBIN - Corbin CAT60 Locks; 3-Point Lock

### OPTIONAL FEATURES

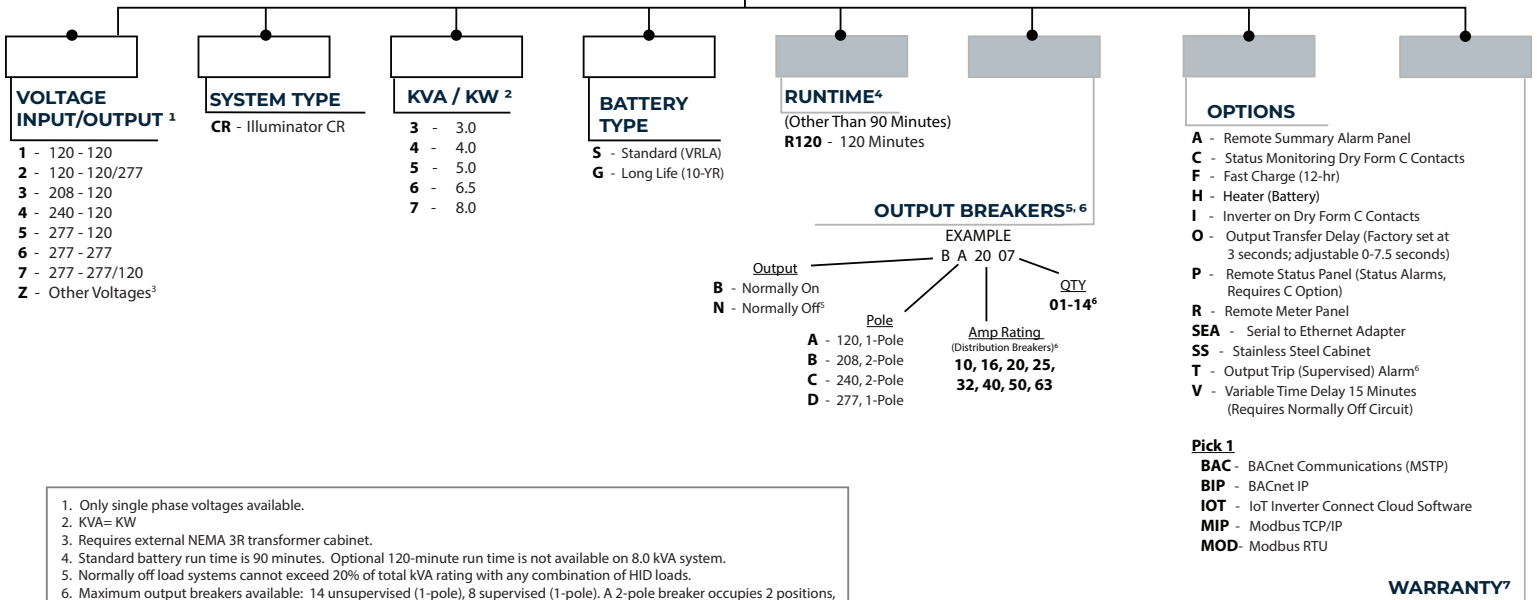
- Enhanced Communications  
Expanded Building Management Protocols  
BACnet or Modbus Communications Interface  
**NEW IoT Connect Cloud Software**
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Stainless Steel Cabinet
- Microprocessor-Controlled Convection Heater

### SPECIFICATIONS

- Output Load Power Factor .5 Lag to .5 Lead
- Output Distortion Less Than 3% THD for Linear Loads
- Generator Compatibility
- 90 Minute Runtime Standard
- Compatible with Electronic and Magnetic Ballasts and LED Drivers
- Custom Voltages Available: 1-Phase Input 120V or 277V  
2W+ Ground
- Output Load Power Factor .5 Lead to .5 Lag
- Temperature Controlled Forced Air Cooling,  
No Filters Required

# ORDERING GUIDE

Example Model Number:  
1-CR-4-S-BA2007-F-T-S-2YW



1. Only single phase voltages available.
2. KVA= KW
3. Requires external NEMA 3R transformer cabinet.
4. Standard battery run time is 90 minutes. Optional 120-minute run time is not available on 8.0 kVA system.
5. Normally off load systems cannot exceed 20% of total kVA rating with any combination of HID loads.
6. Maximum output breakers available: 14 unsupervised (1-pole), 8 supervised (1-pole). A 2-pole breaker occupies 2 positions, and a 3-pole breaker occupies 3 positions. Breakers provided are 20 Amps unless specified otherwise. List all breaker requirements separately -- ex: BA2007-NA1001.
7. One-year warranty is standard.

## WARRANTY<sup>7</sup>

- 2YW - Start Up & Same Day Training
- 2YWT - Start Up, Same Day Training and Full Run Test
- 5YP - 5-Year Preventative Maintenance Plan
- 5YW - 5-Year Extended Electronics Warranty
- TR - Training If Required On Day Other Than Start Up

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

## DIMENSIONS

| Model Reference | Electronics Module      |        |             |                                  |                          |                 |                    |        | Batteries         |          |                     |                 |    |    |
|-----------------|-------------------------|--------|-------------|----------------------------------|--------------------------|-----------------|--------------------|--------|-------------------|----------|---------------------|-----------------|----|----|
|                 | Power Rating (kW / kVA) |        | # of Phases | Efficiency @ Full Load (Typical) | Audible Noise (dBA @ 1m) | Heat Loss (BTU) | Cabinet Dimensions |        |                   | Weight   | Number of Batteries | Voltage (VDC)   |    |    |
|                 | Width                   | Height |             |                                  |                          |                 | Depth              | Weight | Current (Amperes) |          |                     | Run Time (mins) |    |    |
|                 | in/cm                   | in/cm  | in/cm       | lbs/kg                           |                          |                 |                    |        |                   |          |                     |                 |    |    |
| CR-3            | 3.0                     | 1      | 98          | 45                               | 255                      | 54/137          | 76/193             | 30/76  | 805/365           | 740/335  | 10                  | 120             | 37 | 90 |
| CR-4            | 4.0                     | 1      | 98          | 45                               | 340                      | 54/137          | 76/193             | 30/76  | 805/365           | 888/403  | 12                  | 144             | 40 | 90 |
| CR-5            | 5.0                     | 1      | 98          | 45                               | 408                      | 54/137          | 76/193             | 30/76  | 805/365           | 1184/538 | 15                  | 180             | 40 | 90 |
| CR-6            | 6.5                     | 1      | 98          | 45                               | 544                      | 54/137          | 76/193             | 30/76  | 805/365           | 1480/672 | 20                  | 240             | 39 | 90 |
| CR-7            | 8.0                     | 1      | 98          | 45                               | 680                      | 54/137          | 76/193             | 30/76  | 805/365           | 1776/806 | 24                  | 144             | 82 | 90 |

