## **ILLUMINATOR CR**

Outdoor-Rated Emergency Lighting Inverter System



**Build America** 

# SINGLE PHASE SYSTEMS 3kVA/kW to 8kVA/kW

Designed with Industry Leading

**Compact Footprint** 

The CR outdoor-rated cabinet facilitates installation in remote locations and where space is not available indoors.

Based upon more than 30 years of engineering and manufacturing expertise, the CR Series combines all of the features that deliver reliability, versatility and ease of operation & maintenance with the latest technology to create an industry-leading solution.





Buy American Act

48" 55" including standard mounting brackets (not shown)

### 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 NEMA 1 Panels
- · 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
- · Output Load Power Factor .5 Lead to .5 Lag
- Temperature Controlled Forced Air Cooling, No Filters Required

## **ILLUMINATOR CR**

## **Outdoor-Rated Emergency Lighting Inverter** Single Phase Systems 3kVA/kW to 8kVA/kW



#### **ORDERING GUIDE** EXAMPLE MODEL # 1-CR-4-S-BA2007-F-T-2YW VOLTAGE SYSTEM TYPE KVA / KW<sup>2</sup> **BATTERY TYPE** OPTIONS INPUT/OUTPUT 1 CP - Illuminator CR **3** - 3.0 S - Standard (VRLA) A - Remote Summary Alarm Panel With One Indicator 1 - 120 - 120 4 - 4.0 G - Long Life (10-YR) Light (Not Available With "C" Option) 4 **5** - 5.0 BL - Circuit Breaker Locking Mechanism 3 - 208 - 120 C - Status Monitoring Dry Form C Contacts **4** - 240 - 120 F - Fast Charge (12-hr) 7 - 8.0 **5** - 277 - 120 H - Heater (Battery) 6 - 277 - 277 I - Inverter on Dry Form C Contact O - Output Transfer Delay (Factory Set at 3 Seconds, **7** - 277 - 277/120 **OUTPUT BREAKERS 5, 6** ${\bf Z}$ - Other Voltages $^{\bf 3}$ Adjustable .5 to 8 Seconds) (May Require UL Testing) Remote Status Panel (Status Alarm/Alarm Silence B A 20 07 QUANTITY 6 OUTPUT Switch) (Requires C Option) B - Normally Or 01-14 Remote Meter Panel 4 N - Normally Off 5 SS - Stainless Steel Enclosure T - Output Trip (Supervised) Alarm 5 (Distribution Breakers) VOLTAGE, POLE 10, 16, 20, 25, A - 120, 1-Pole 32, 40, 50, 63 **B** - 208, 2-Pole Required feature for part number. C - 240, 2-Pole **D** - 277, 1-Pole BAC - BACnet BIP - BACnet IP Optional feature. Not required for part number. IOT - IoT Inverter Connect Cloud Communications MIP - Modbus TCP/IP MOD - Modbus RTU SEA - Serial to Ethernet Adapter ACCESSORIES EMBP-K - External Maintenance Bypass Switch with Key Locked Enclosure A SPARES - Spare Fuses & Circuit Boards SPAREF - Spare Fuses A) External Maintenance Bypass Switch is not available with Internal Distribution Breakers WARRANTY & ONSITE SERVICES 7 1. Only single phase voltages available. 2. KVA= KW 2YW - Start Up & Same Day Training

- 3. May require external NEMA 3R Transformer Cabinet. Consult factory
- 4. NEMA1 enclosure
- 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. Breakers provided are 20 Amps unless specifed otherwise List all breaker requirements separately -- ex: BA2007-NA1001.
- 7. One-year warranty is standard.

- (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															
Electronics Module									Batteries 90 Minutes @ Full Load					Total System	
Partial Model Number	Power Rating (KVA / KW)	Efficiency at Full Load (Typical)	Audible Noise (dBA @ 1m)	Heat Loss (BTU)	Cabinet Dimensions				Total	Number					
					Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs)	Battery Weight (lbs)	of Batteries	Voltage (VDC)	(Amps)	Run Time (Mins)	Dimensions W <sup>®</sup> X H X D (in)	Weight (lbs)
CR-3	3.0	98	45	255	54 /137	76 / 193	30 / 76	805	740	10	120	31	90	54 x 76 x 30	1545
CR-4	4.0	98	45	340	54 /137	76 / 193	30 / 76	805	888	12	144	31	90	54 x 76 x 30	1693
CR-5	5.0	98	45	408	54 /137	76 / 193	30 / 76	805	1110	15	180	31	90	54 x 76 x 30	1915
CR-6	6.5	98	45	544	54 /137	76 / 193	30 / 76	805	1480	20	240	31	90	54 x 76 x 30	2285
CR-7	8.0	98	45	680	54 /137	76 / 193	30 / 76	805	1776	24	144	65	90	54 x 76 x 30	2581