ILLUMINATOR DR

Outdoor-Rated Emergency Lighting Inverter System



THREE PHASE SYSTEMS 4kVA/kW to 10kVA/kW

Designed with Industry Leading Compact Footprint

The DR 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 DR 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.









UL 924 Listed Self-Testing Self-Diagnostic

Build America Buy America Act Compliant

Buy American Act Compliant

Act Compliant





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
- · Electronic and Magnetic Ballast Compatible
- · 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 DR

Outdoor-Rated Emergency Lighting Inverter Three Phase Systems 4kVA/kW to 10kVA/kW



ORDERING GUIDE EXAMPLE MODEL # 8-DR-4-S-BA2007-F-T-2YW VOLTAGE SYSTEM TYPE KVA / KW² **BATTERY TYPE** OPTIONS INPUT/OUTPUT 1 DR - Illuminator CR **4** - 4.0 S - Standard (VRLA) A - Remote Summary Alarm Panel With One Indicator 8 - 120/208 - 120/208 **5** - 5.0 G - Long Life (10-YR) Light (Not Available With "C" Option) 4 9 - 277/480 - 277/480 **6** - 6.5 Status Monitoring Dry Form C Contacts \boldsymbol{Z} - Other Voltages 3 **7** - 8.0 F - Fast Charge (12-hr) (May Require UL Testing) 8 - 10.0 H - Heater (Battery) Inverter on Dry Form C Contact O - Output Transfer Delay (Factory Set at 3 Seconds, **OUTPUT BREAKERS 5, 6** Adjustable .5 to 8 Seconds) Remote Status Panel (Status Alarm/Alarm Silence Switch) (Requires C Option) 4 B A 20 07 QUANTITY 6 OUTPUT R - Remote Meter Panel 4 B - Normally Or 01-14 Stainless Steel Enclosure N - Normally Off 5 S - Summary Fault Dry Form C Contacts T - Output Trip (Supervised) Alarm 5 (Distribution Breakers) VOLTAGE, POLE 10, 16, 20, 25, A - 120, 1-Pole **B** - 208, 2-Pole 32, 40, 50, 63 = Required feature for part number. C - 240, 2-Pole **D** - 277, 1-Pole **E** - 120/208, 3-Pole BAC - BACnet F - 120/208, 3-Pole BIP - BACnet IP Optional feature. Not required for part number. **G** - 480, 2-Pole IOT - IoT Inverter Connect Cloud Communications Z - Other (Contact Factory) 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
- 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, and a 3-pole breaker occupies 3 positions. Breakers provided are 20 Amps unless specifed otherwise. List all breaker requirements separately -- ex: BA2007-NA1001.
- 7. One-year warranty is standard.

- 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 | | | | | | | | | | | | | | | |
|----------------------------|----------------------------------|--|-----------------------------------|-----------------------|--------------------|---------------------|--------------------|-----------------|----------------------------------|-----------------|------------------|--------|--------------------|---|-----------------|
| 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 ^s X H X D (in) | Weight (lbs) |
| DR-4 | 4.0 | 98 | 45 | 326 | 54 /137 | 76 / 193 | 30 / 76 | 995 | 888 | 12 | 144 | 31 | 90 | 54 x 76 x 30 | 1883 |
| DR-5 | 5.0 | 98 | 45 | 408 | 54 /137 | 76 / 193 | 30 / 76 | 995 | 1110 | 15 | 180 | 31 | 90 | 54 x 76 x 30 | 2105 |
| DR-6 | 6.5 | 98 | 45 | 544 | 54 /137 | 76 / 193 | 30 / 76 | 995 | 1480 | 20 | 240 | 31 | 90 | 54 x 76 x 30 | 2475 |
| DR-7 | 8.0 | 98 | 45 | 680 | 54 /137 | 76 / 193 | 30 / 76 | 1099 | 1776 | 24 | 144 | 65 | 90 | 54 x 76 x 30 | 2875 |
| DR-8 | 10.0 | 98 | 45 | 680 | 54 /137 | 76 / 193 | 30 / 76 | 1099 | 1776 | 24 | 144 | 81 | 90 | 54 x 76 x 30 | 2875 |