



DR SERIES OUTDOOR-RATED EMERGENCY LIGHTING INVERTER SYSTEM

Three Phase Systems 4kVA/kW to 10kVA/kW

Designed with Industry Leading Compact Footprint



PROJECT:

FIXTURE TYPE:

LOCATION:

CONTACT/PHONE:



PRODUCT DESCRIPTION

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.

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

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

DIMENSIONS



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



UL 924 Listed
Self-Testing



Build America
Buy America
Act Compliant



Buy
American Act
Compliant



Trade
Agreements
Act Compliant



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ORDERING INFORMATION

EXAMPLE: 8-DR-4-S-BA2007-F-T-2YW

VOLTAGE INPUT/OUTPUT ¹

8 - 120/208 - 120/208
9 - 277/480 - 277/480
Z - Other Voltages ³
(May Require UL Testing)

SYSTEM TYPE

DR - DR

KVA / KW ²

4 - 4.0
5 - 5.0
6 - 6.5
7 - 8.0
8 - 10.0

BATTERY TYPE

S - Standard (VRLA)
G - Long Life (10-YR)

OUTPUT BREAKERS ^{5,6}

EXAMPLE	
OUTPUT	B A 20 07
B - Normally On N - Normally Off ⁵	QUANTITY ⁴ 01-14
VOLTAGE, POLE	AMP RATING ⁶ (Distribution Breakers)
A - 120, 1-Pole B - 208, 2-Pole C - 240, 2-Pole D - 277, 1-Pole E - 120/208, 3-Pole F (SB) - 277/480, 3-Pole G - 480, 2-Pole Z - Other (Contact Factory)	10, 16, 20, 25, 32, 40, 50, 63

OPTIONS

A - Remote Summary Alarm Panel With One Indicator Light (Not Available With "C" Option) ⁴
C - Status Monitoring Dry Form C Contacts
F - Fast Charge (12-hr)
H - Heater (Battery)
I - Inverter on Dry Form C Contact
O - Output Transfer Delay (Factory Set at 3 Seconds, Adjustable .5 to 8 Seconds)
P - Remote Status Panel (Status Alarm/Alarm Silence Switch) (Requires C Option) ⁴
R - Remote Meter Panel ⁴
SS - Stainless Steel Enclosure
S - Summary Fault Dry Form C Contacts
T - Output Trip (Supervised) Alarm ⁵

PICK ONLY 1:

BAC - BACnet
BIP - BACnet IP
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.

- Only single phase voltages available.
- KVA= KW
- May require external NEMA 3R Transformer Cabinet. Consult factory.
- NEMA 1 enclosure
- Normally off load systems cannot exceed 20% of total kVA rating with any combination of HID loads.
- 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.
- One-year warranty is standard.

WARRANTY & ONSITE SERVICES ⁷

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 Battery Weight (lbs)	Number of Batteries	Voltage (VDC)	Current (Amps)	Run Time (Mins)	Dimensions W ⁶ X H X D (in)	Weight (lbs)
					Width (in / cm)	Height (in / cm)	Depth (in / cm)	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