MYERS
EMERGENCY POWER SYSTEMS

Illuminator EM

Emergency Lighting Inverter System

Single Phase Systems 1.0KVA/KW to 2.8KVA/KW
Available in 5 Days or Less

Same size footprint for every model!

EM-1 | 1000 VA/W

EM-2 | 1600 VA/W
EM-3 | 2400 VA/W

EM-4 | 2800 VA/W

STANDARD FEATURES

- 98% Efficient
- 65KAIC Input Rating
- NFPA 101 Self Testing and Data Logging
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- Compatible with all lighting loads including HID/LED
- Input Circuit Breaker
- One Output Circuit Breaker
- 90 Minute Run Time
- No Break 2ms Transfer Time

OPTIONAL FEATURES

- E-Mail Modem
- Internal Maintenance Bypass
- Summary Form C Contacts
- Status Monitoring Contacts
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Normally Off Output with variable time delay
- Output Trip Alarms
- Remote Summary Alarm Panel
- Wall Mount kit

SPECIFICATIONS

- Input 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output Load Power Factor .5 Lag to.5 Lead
- Output Distortion Less than 3% THD for Linear Loads
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Electronic and Magnetic Ballast Compatible
- Generator Compatibility
- Custom Voltages Available
- 90 Minute Runtime Standard; Other Runtimes Available Upon Request

MYERS EMERGENCY POWER SYSTEMS
44 S. Commerce Way, Bethlehem, PA 18017 | 610-868-3500 | quotes@myerseps.com | www.myerseps.com
Specifications subject to change without notice.

ORDERING GUIDE

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

VOLTAGE INPUT/OUTPUT [1]

- **1** - 120 - 120
- **2** - 120 - 120/277[9]
- **3** - 208 - 120[9]
- **4** - 240 - 120/240[9]
- **5** - 277 - 120[9]
- **6** - 277 - 277
- **7** - 277 - 277/120[9]
- **8** - 208 - 120/240[9]
- **9** - 208 - 120/208[9]
- **Z** - Other Voltages

SYSTEM TYPE

- **EM** - Illuminator EM

KVA / KW [2]

- **1** - 1.0
- **2** - 1.6
- **3** - 2.2
- **4** - 2.8

BATTERY TYPE

- **S** - Standard (VRLA)

OUTPUT BREAKERS[3]

EXAMPLE
B A 20 07

OUTPUT
- **B** - Normally On
- **N** - Normally Off[8]

VOLTAGE
- **A** - 120
- **B** - 208
- **C** - 240
- **D** - 277
- **Z** - Other

AMP RATING (Distribution Breakers)
10, 16, 20, 25, 32

QUANTITY
01-10[3]

OPTIONS

- **A** - Remote Summary Alarm Panel
- **C** - Status Monitoring Dry Form C Contacts Alarm Panel
- **D** - Drip Top (NEMA 2)
- **E** - Email Modem
- **I** - Inverter on Dry Form C Contact
- **IoT** - IoT Inverter Connect
- **L** - Load Control Relay[5]
- **M** - Maintenance Bypass[4]
- **S** - Summary Fault Form C Contacts
- **T** - Output Trip (Supervised) Alarm
- **V** - Variable Time Delay
- **W** - Wall Mount Brackets
- **X** - Zone Monitoring
- **Z** - Seismic / Raised Floor

WARRANTY[6]

- **2YW** - Start Up & Same Day Training
- **5YP** - 5-Year Preventative Maintenance Plan
- **5YW** - 5-Year Extended Electronics Warranty
- **SMP** - Service Monitoring Plan[7]

1. Only single phase voltages available.
2. KVA= KW
3. Unless output circuit breakers are specified, a single output breaker will be supplied with each unit and the current rating will vary based on the output power and voltage rating of the unit. Maximum specified output breakers available: 10 unsupervised (1-pole), 6 supervised (1-pole). A 2-pole breaker occupies 2 positions.
4. Maintenance bypass switch is a "make before break".
5. Contact factory for load control applications.
6. One year warranty is standard.
7. Requires Factory Start-up and E-mail/Modem options. This program will provide monitoring of the lighting inverter system by our factory service department. All monthly and yearly system tests will be reviewed by our factory service department for early warning signs of any system malfunction. Any system alarms and monthly/yearly test results will automatically be E-mailed to our service department where corrective action can be taken and while under warranty, if necessary, a factory authorized service technician will be scheduled to complete any necessary repairs. This monitoring program will require a dedicated telephone line.
8. Circuit breaker protection provided.
9. Enclosure height may increase. Contact factory.

= Required feature for part number.

= Optional feature. Not required for part number.

DIMENSIONS

Electronics Module									Batteries 90 Minutes @ Full Load				
					Cabinet Dimensions								
Model Number	Power Rating (VA / W)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)	90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	Total System Weight (lbs / kg)
EM-1	1000	98	45	70	24.25 / 61.6	27.5 / 69.9	10.5 / 26.67	121 / 55	160 / 73	4	48	26	281 / 128
EM-2	1600	98	45	110	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	165 / 75	240 / 109	6	72	27	405 / 184
EM-3	2200	98	45	150	24.25 / 61.6	43.25 / 109.86	10.5 / 26.67	174 / 79	320 / 146	8	96	27	494 / 225
EM-4	2800	98	45	190	24.25 / 61.6	55 / 139.7	10.5 / 26.67	203 / 92	400 / 182	10	120	27	603 / 274