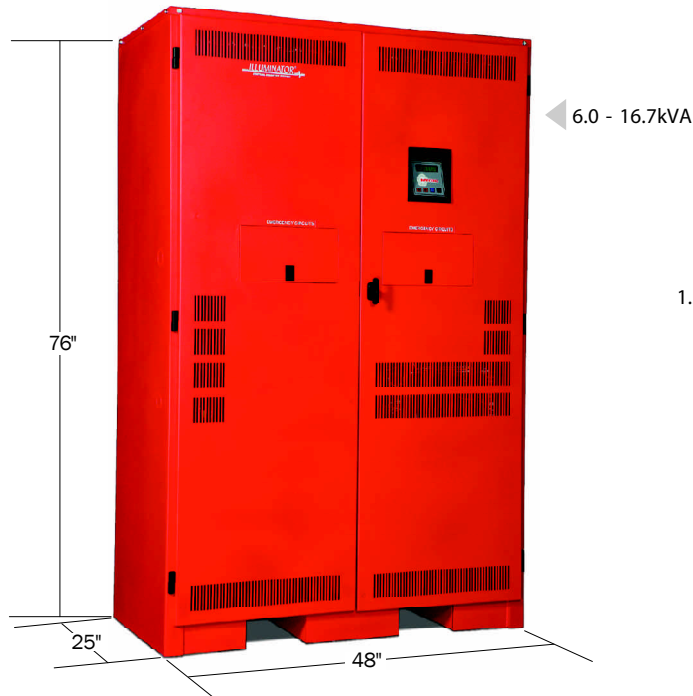




## Illuminator Series IE Emergency Lighting Inverter System

Interruptible Power System  
Single Phase Systems 1.5kVA to 16.7kVA



### STANDARD FEATURES

- 98% Efficient
- PWM/IGBT Technology
- Micro-Processor Control
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- Modular Design
- Low Audible Noise
- Single Cabinet for Batteries and Inverter

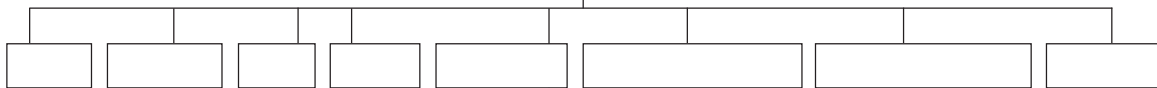
### OPTIONAL FEATURES

- E-Mail/Fax Modem
- Internal Maintenance Bypass
- Summary Form C Contacts
- Modem
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Normally Off Output
- Output Trip Alarms
- Remote Summary Alarm Panel

### 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
- Electronic and Magnetic Ballast Compatible
- Output Distortion Less than 3% THD for Linear Loads
- Forced Air Cooling only during Emergency Operation, No Filters Required
- Generator Compatibility
- 90 Minute Runtime Standard; Other Runtimes Available upon Request
- Custom Voltages Available

Example Model Number:  
**1-IE-4-S-BA2007-F-T-S-M-N-2YW**



**SYSTEM TYPE**

**E** - Illuminator Series "E"  
**IE** - Illuminator Series "IE"

**VOLTAGE (INPUT/OUTPUT)<sup>1</sup>**

- 1 - 120-120
- 2 - 120-120/277
- 3 - 208-120
- 4 - 240-120/240
- 5 - 277-120
- 6 - 277-277
- 7 - 277-277/120
- 8 - 208-120/240
- 9 - 347-347
- A - 208-120/208
- Z - Other Voltages

**BATTERY TYPE**

**S** - Standard (VRLA)  
**G** - VRLA 20-Year

**KVA/KW<sup>2</sup>**

- 1 - 1.5
- 2 - 2.25
- 3 - 3.0
- 4 - 3.75
- 5 - 5.0
- 6 - 6.0
- 7 - 8.0
- 8 - 10.0
- 9 - 12.5
- 10 - 16.7

**RUNTIME<sup>3</sup>**

(Other than 90 minutes)  
**R15** - 15 Minutes  
**R30** - 30 Minutes  
**R60** - 60 Minutes  
**R120** - 120 Minutes  
**R180** - 180 Minutes  
**R240** - 240 Minutes

**OUTPUT**

**B** - Normally On  
**N** - Normally Off<sup>4</sup>

**VOLTAGE**

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

**AMP RATING**

- 10, 15, 20, 25,
- 30, 40, 50, 60

**QUANTITY**

- 01 - 24<sup>5</sup>

(List all circuit breaker requirements separately, ex: BA2007 - NA1001)

**WARRANTY<sup>7</sup>**

**2YW** - Factory Start-Up Extended 2-Year Warranty  
**5YP** - 5-Year Preventative Maintenance Plan, Start-Up Included  
**5YW** - 5-Year Extended Electronics Warranty  
**SMP<sup>8</sup>** - Service Monitoring Plan

**OPTIONS**

- A** - Remote Summary Alarm Panel
- C** - Status Monitoring Contacts
- E** - E-Mail Modem
- F** - Fast Charge
- I** - Inverter On Dry Contact
- M** - Maintenance Bypass<sup>6</sup>
- R** - Remote Meter Panel
- S** - Summary Fault Form C Contacts
- T** - Output Trip<sup>5</sup> (Supervised) Alarm
- V** - Time Delay 15 min.
- Z** - Seismic Zone 4

- 1) Only single phase voltages available.
- 2) KVA = KW
- 3) Standard battery run time is 90 minutes.
- 4) Normally off loads on Series E cannot exceed 20% of total KVA rating with any combination of H.I.D. Loads.
- 5) Maximum output breakers available: 12 unsupervised (1-pole), or 8 supervised (1-pole) for 1.5 - 5 kVA, and 24 unsupervised (1-pole), or 18 supervised (1-pole) for 6 - 16.7 kVA. Breakers provided are 20 Amps unless specified otherwise. A 2-pole breaker occupies 2 positions.
- 6) Maintenance bypass switch is a "make before break".
- 7) Standard one year warranty.
- 8) 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.
- 9) 15 minute retransfer time delay of normally off circuit after return of utility.

**ACCESSORIES**

- MOD** - Modem
- EMBP<sup>A,6</sup>** - External Maintenance Bypass Switch
- A) Cannot purchase External Maintenance Bypass Switch with Branch Circuit Breaker options.

**UPS Electronics Module**

Model Number	Power Rating (kVA)		Power Rating (kW)		Efficiency (@ full load)		Audible Noise (dBA @ 1m)		Heat Loss (BTU)		Cabinet Dimensions			
	1	2	1	2	1	2	1	2	1	2	Width in/cm	Height in/cm	Depth in/cm	Weight lbs/kg
IE-1-S	1.5	1.5	98	45	102	30/77	47/119	25/64	215/98					
IE-2-S	2.25	2.25	98	45	153	30/77	47/119	25/64	230/105					
IE-3-S	3.0	3.0	98	45	204	30/77	47/119	25/64	235/107					
IE-4-S	3.75	3.75	98	45	255	30/77	47/119	25/64	240/109					
IE-5-S	5.0	5.0	98	45	340	30/77	47/119	25/64	280/128					
IE-6-S	6.0	6.0	98	45	408	48/122	76/193	25/64	605/272					
IE-7-S	8.0	8.0	98	45	544	48/122	76/193	25/64	640/288					
IE-8-S	10.0	10.0	98	45	680	48/122	76/193	25/64	785/353					
IE-9-S	12.5	12.5	98	45	850	48/122	76/193	25/64	805/362					
IE-10-S	16.7	16.7	98	45	1135	48/122	76/193	25/64	885/398					

**Batteries**

(90 Minutes @ Full Load)

90 Minute Batteries lbs/kg	Number of Batteries			Total System Weight lbs/kg
	Voltage (VDC)	Current (Amperes)		
296/135	4	48	39	511/230
444/200	6	72	38	679/306
592/266	8	96	38	827/372
740/330	10	120	37	980/441
888/400	12	144	40	1168/525
1110/500	15	180	40	1715/772
1480/666	20	240	39	2120/954
1776/800	24	144	82	2561/1153
2220/999	30	180	82	3025/1361
2960/1332	40	240	80	3845/1730



Tel: 610-868-3500 Fax: 610-868-8686  
www.myerspwrproducts.com