



Illuminator Series E Emergency Lighting Inverter System

Uninterruptible Power System
Single Phase Systems 1.5kVA to 16.7kVA



6.0 - 16.7kVA



1.5 - 5kVA

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

General Specifications

Input	Voltage Input Power Input Frequency Synchronizing Slew Rate Protection Power Factor	120 or 277VAC 1-phase 2-wire +10% -15%. Contact factory for all other voltages. Walk-in Limiting inrush current to less than 125%, 10 times for 1 line cycle. 60Hz, +/- 3%, 50Hz Available upon request. 1Hz per second nominal. Input Circuit Breaker. 0.5 lag/lead.
Output	Voltage Static Voltage Dynamic Voltage Harmonic Distortion Overload Output Frequency Load Power Factor Inverter Overload Protection	120 or 277VAC 1-phase 2-wire. Contact factory for all other voltages. Load current change +/-2%, battery discharge +/-12.5% +/- 2% for +/-25% load step change, +/-3% for a 50% load step change, recovery within 3 cycles. < 3% THD for linear load. Fuse protected. 60Hz +/- 0.05Hz during emergency mode. 0.5 lag to 0.5 lead. 115% for 10 minutes. Optional Distribution Circuit Breakers.
Battery	Type Charger Protection Disconnect Optional Runtimes	Valve-regulated sealed lead-calcium; Consult factory for additional battery types. Microprocessor controlled for various battery types and temperature compensating (recharge per UL924 spec). Automatic low-battery disconnect; automatic restart upon utility return. Fuse Extended runtimes available. Consult factory for additional information.
Environmental	Altitude Operating Temperature Storage Temperature Relative Humidity	< 10,000 feet (above sea level) without de-rating. 20° to 30° C. -20° to 70° C (electronics only). < 95% (non-condensing)
General	Design Generator Input Control Panel Metering Alarms Communications Manual Maintenance Bypass Alarm Contacts Warranty Factory Start-up 5 Year Service Plan	Line interactive PWM inverter type utilizing IGBT technology with 2mS transfer time. Compatible with generators. Microprocessor controlled 4 x 20-character vacuum florescent display with touchpad controls/functions scrolling system status. Input & Output Voltage, Battery Voltage, Battery & Output Current, Output VA, Temperature, Inverter Wattage. High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault, Optional Circuit Breaker Trip. RS-232 port (DB9). E-mail/fax modem optional. Optional internal or optional external without internal distribution breakers. Optional Summary Form "C" Contacts. 1 year standard warranty includes all parts, labor, & travel expenses within 48 contiguous states. 10 years prorated warranty on batteries. Extended warranties, preventative maintenance and customized service plans are available. Purchase factory start-up & receive 1 additional year of warranty. Purchase 5 year service plan & receive free factory start-up.
Physical	Cabinet Cooling Cable Entry Access	Freestanding NEMA Type 1. Forced Air, during emergency mode. Top or side. Front.



UPS Electronics Module

Part Number	Power Rating (kVA)		Power Rating (kW)		Efficiency (@ full load)		Audible Noise (dBA @ 1m)		Heat Loss (BTU)		Cabinet Dimensions			Weight lbs/kg	
	1.5	2.25	2.25	3.0	98	98	45	45	102	153	204	Width in/cm	Height in/cm		Depth in/cm
E-1150	1.5				98	45	102	30/77	47/119	25/64	215/98				
E-1225	2.25	2.25	98	45	153	30/77	47/119	25/64	230/105						
E-1300	3.0	3.0	98	45	204	30/77	47/119	25/64	235/107						
E-1375	3.75	3.75	98	45	255	30/77	47/119	25/64	240/109						
E-1500	5.0	5.0	98	45	340	30/77	47/119	25/64	280/128						
E-1600	6.0	6.0	98	45	408	48/122	76/193	25/64	605/272						
E-1800	8.0	8.0	98	45	544	48/122	76/193	25/64	640/288						
E-2100	10.0	10.0	98	45	680	48/122	76/193	25/64	785/353						
E-2125	12.5	12.5	98	45	850	48/122	76/193	25/64	805/362						
E-2167	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.myerspowerproducts.com

Specifications are subject to change without notice to reflect improvements and upgrades.