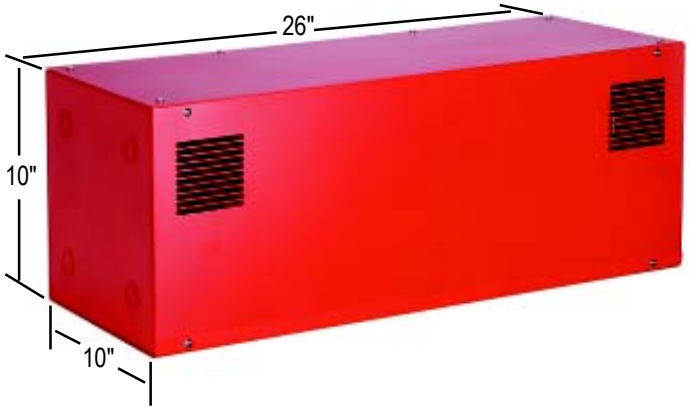
MYERS Power Products

Illuminator C-M

Emergency Lighting Inverter System

Single-phase emergency lighting systems: 500VA to 2,000VA

Inverter Module



Battery Module

Standard Features

- PWM/MOSFET Inverter technology for high efficiency and low THD
- Small footprint 26"x10"x (20"/30"/40"/50") for 500/1000/1500/2000VA units respectively
- User programmable with password protection for alarms and diagnostics
- 98% efficient in standby mode means no fan for cooling
- Modular design allows separation of inverter and battery modules
- Self testing and diagnostic with Event, Test and Alarm Logs
- Compatible with HID, fluorescent, incandescent and electronic low voltage lighting.
- Protection circuit breakers are Battery, Input and Output
- Electrical knock outs for easy contractor connection and installation
- Circuit breaker and fuse access panel for easy routine maintenance
- Sealed lead calcium valve regulated lead acid batteries are maintenance free
- 16 AWG (.059") steel construction with powder coat surface
- Microprocessor controlled, 2x20 character display with touch pad controls front panel interface.
- Programmable setpoints are password controlled with user and service levels.
- UL 924 Listed and meets the requirements for NFPA 101

Optional Features

- Field upgradeable from 500VA to 2000VA by additional battery modules
- Circuit breaker trip alarm
- Normally off output
- RS-232 interface
- Summary alarm dry contact
- Extended runtime

4/4/03

SPECIFICATIONS

Input	Voltage	120 or 277 VAC, Two wire plus ground, +10/-15%
	Frequency	60 Hz, +/-3 Hz
	Synchronizing Slew Rate	1 Hz per Second
	Protection	Input Circuit Breaker
Output	Voltage	120 or 277 VAC, Three Wire
	Current Crest Factor	2.8 = peak/rms
	Voltage THD	<3% THD for Linear Load
	Output Frequency	60 Hz +/- 0.05 Hz Crystal controlled
	Inverter Overload	115 % for 5 Minutes
	Voltage Regulation	+/-3% for +/- 25% load step change
	Protection	Output Circuit Breaker
Battery	Type	Sealed Lead Calcium VRLA
	Protection	Battery Circuit Breaker
	String Voltage	48 VDC for all models
Environmental	Altitude	<10,000 feet without derating
	Operating Temperature	20 to 30 degrees Centigrade
	Storage Temperature	-20 to 70 Degrees Centigrade(Electronics Only)
	Relative Humidity	<95% (non-condensing)
Physical	Electronics Enclosure	Dimensions = 10" x 10" x 26"
		Weight = 77 lbs (35 kg.)
	Battery Enclosure	Dimensions = 10" x 10" x 26"
		Weight = 22 lbs (10 kg.) per module w/o batteries

Standard Metering: Vin, Vout, Iout, Vbatt, Ibatt, Temp, Date, Inverter Hours, System Days, VA, Inverter Watts

Standard Alarms: Output, Inverter, Charger, Low Battery, Near Low Battery, High Temp, Load Reduction, Overload, Overload Shutdown, Low Voltage, High Voltage, Circuit Breaker Trip

Standard Logs: Alarm Log (75), Event Log (75) Test Log (50)

Unit Sizes Watts=VA	Battery Cabinets/ Strings Required	90 Minute Average Battery Current	Battery Weight (lbs.)	System Weight (lbs.)	Voltage Input (Volts)	* Current Input (Amps)	Current Output (Amps)
500	1	13.5 ADC	107	206	120/277	5.2/2.25	4.16/1.80
1000	2	26.5 ADC	214	335	120/277	10.5/4.51	8.33/3.61
1500	3	40 ADC	321	464	120/277	15.62/6.78	12.5/5.42
2000	4	52 ADC	427	592	120/277	20.8/9.03	16.66/7.22

* Current input reflects system at max. charge current plus max. load current
Voltage Input = Voltage Output, external transformer enclosures available for different combinations

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