



# WHY MYERS EPS?

Myers Emergency Power Systems (EPS) has a long history of engineering and manufacturing the highest quality and most reliable backup power solutions in the industry. Myers EPS' centralized and mini inverters provide emergency lighting and illuminate the path of egress during critical outages.



#### Advanced Technology

Designed with Myers EPS' advanced Pure Sine Wave technology, the mini inverters provide direct AC power and full illumination to all lighting sources. With industry-leading efficiencies, they run cool and reduce the overall operating costs of emergency lighting systems.

#### **Unlimited Compatibility and Cost Savings**

The efficient mini inverter products empower architects and engineers to fulfill emergency lighting requirements while using existing luminaires for interior and exterior egress. As the industry continues to move towards low wattage LED **sustainable solutions, the low initial cost and substantial** long-term savings is changing how specifiers and building owners view the mini inverter market. Mini inverters are the emergency lighting solution of choice.

## ADVANTAGES OF MYERS EPS MINI INVERTERS

#### **Design Freedom Centralized Location** ✓ Never compromise the design's intent or aesthetics Illuminate an entire building from a single location Utilize existing luminaires for emergency lighting Save time and money with centralized testing Eliminate bug-eyes and other unsightly products Compatibility **Full Lumen Output** Compatible with all luminaire sources and fixtures All luminaires run at full lumen output during a power outage · LED, Integral LED Based Lamps, Fluorescent, and Incandescent The photometric calculations are identical whether the unit is in normal or emergency use ✓ Accepts products with a power factor range of .5 lead to .5 lag **Pure Sine Wave Technology Code Compliance** Perfect for high ceilings and other installations Designed to handle complex inrush current and high crest factor requirements from varying LED where testing and logging can prove challenging technologies ✓ Meets UL 924 and NFPA 101 requirements Low harmonic distortion reduces heating effects in loads; < 3% THD Highly Efficient - Requires no fans and reduces energy consumption Myers Emergency Power Systems Specifications and dimensions are subject to change without notice. 610-868-3500 | www.MyersEPS.com

### THE BETTER INVESTMENT

#### **Compare and Save**

When comparing other emergency lighting solutions such as battery packs, inverters provide significant savings. Below outlines a typical commercial office with 22 lighting fixtures, showing the cost of ownership over 10 years. When comparing the initial cost and overall maintenance, mini inverters provide building owners an estimated 47% in savings.

### **10-YEAR COST COMPARISON CALCULATION**

### **BATTERY PACK**

**MINI INVERTER** 



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## **CRITICAL EMERGENCY**

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### **ILLUMINATES THE DARKEST OF TIMES**



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	ILLUMINATOR SERIES LVM			ILLUMINATOR SERIES LV				
POWER RATING		110VA	225VA	175VA	350VA	550VA	750VA	1100VA
DIMENSIONS		Wall: H: 14¾" W: 16¼" D: 4¼" Grid: H: 7½" W: 23%" D: 8"	Wall: H: 23¼" W: 16¼" D: 4¼" Grid: H: 7½" W: 23%" D: 8"	Wall: H: 17.75" W: 14.25" D: 6.5" Grid: H: 7½" W: 23%" D: 8"	H: 22" W: 19	9" D: 9¼"	H: 22" W: 25¼" D: 9¼"	H: 25⅓" W: 26" D: 9‰"
	TOTAL SYSTEM WEIGHT	37	60	55	100	130	180	246
	INPUT VOLTAGE	120VAC or 277VAC. 1-Phase 2-wire +10% -15%. Field Selected 120VAC or 277VAC. 1-Phase 2-wire +10% -15%.						
	INPUT FREQUENCY	60Hz, ± 3%						
INPUI	SYNCHRONIZING SLEW RATE	1Hz per second nominal						
		Fuse						
	SYSTEM SHORT CIRCUIT	1,500 AIC		10,000 AIC for 120V Systems & 1,500 AIC for 277V Systems				
	OUTPUT VOLTAGE	120VAC or 277VAC. 1-Phase 2-wire		Field Selected 120VAC or 277VAC. 1-Phase 2-wire				
	STATIC VOLTAGE		L	ad current change $\pm$ 2%, battery discharge $\pm$ 12.5%				
	DYNAMIC VOLTAGE	$\pm$ 10% for a load step change; Recovery within 3 cycles						
	HARMONIC DISTORTION - VOLTAGE			<3% THD for linear load				
	OVERLOAD	Input Fuse protected on AC mains & timed overcurrent during inverter operation		Fuse	Standard: Fuse; Optional: Circuit Breaker			
Ŭ	OUTPUT FREQUENCY			60Hz ± .05Hz During emergency mode				
OUTP	LOAD POWER FACTOR	.5 Lag to .5 lead						
	INVERTER OVERLOAD	250% For 25 cycles, 110% Continuously		250% For 16 cycles, 110% Continuously				
		Fuse		Fuse	Optional distribution circuit breaker(s)			
	OUTPUT TYPES	2.0 3.5 Normally-Off or Switched						
	RUN TIME (MINUTES / WATTS) (90 MINUTES STANDARD)	120 / 80 180 / 55 240 / 45	120 / 175 180 / 120 240 / 95	120 / 135 180 / 95 240 / 75	120 / 275 180 / 200 240 / 150	120 / 450 180 / 325 240 / 225	120 / 575 180 / 425 240 / 300	120 / 850 180 / 650 240 / 450
. ВАТТЕRY	BATTERY TYPE	Valve-Regulated Sealed Lead-Calcium						
	CHARGER	Microprocessor controlled, 3-stage charger (Recharge per UL-924 specifications)						
	PROTECTION	Automatic low-battery disconnect; Automatic restart upon utility return						
	DISCONNECT	Fuse - Quick disconnect terminal Fuse						
ЧТАL	ALTITUDE	< 10,000 feet (above sea level) without derating						
IME	OPERATING TEMPERATURE	Inverter: 32° to 104°F (0° to 40°C); Battery: 68° to 86°F (20° to 30°C) per UL-924						
1RO	STORAGE TEMPERATURE			-4° to 158°F (-20° to 70°C) (Electronics only)				
CENERAL ENV	RELATIVE HUMIDITY			< 95% (Non-condensing)				
	DESIGN	Line interactive PWM inverter type utilizing MOSFET technology with 48ms transfer time; 94% efficiency (typical) Compatible with generators (10kVA or larger)		Line interactive PWM inverter type utilizing MOSFET technology with 6ms transfer time; 92% efficiency (typical)				
	GENERATOR INPUT			Compatible with generators (25kVA or larger)				
	INDICATOR LIGHTS & SWITCH	AC present, Charging, Rea	ady, Inverter & Test Switch		Charging, Re	eady, Inverter	& Test Switch	
	OPTIONAL CONTROL PANEL			Optional OLED	display with key & scrolling syster	pad controls / m status	functions	
	OPTIONAL METERING			Input & output voltage, battery voltage, battery & output current, output VA,				
				High / low battery charger fault, near low battery, low battery, load temperature,				
				inverter fault, output fault			d Monitoring	
					aapter, BAChet,			
	OPTIONAL FAST CHARGE			* 	*	•	*	*
	OPTIONAL BATTERY STRAPPING			*	*	*	*	*
	OPTIONAL USB MASS STORAGE			*	*	*	*	
	OPTIONAL 0-10V DIMMING	*	*					
	OPTIONAL DIMMING RELAY			*	*	*	*	*
	OPTIONAL ZONE MONITORING			*	*	*	*	
	ALARM CONTACTS	Summary Form C Contacts			Standard: Summary Form "C" Contacts; Optional: Status Monitoring Contacts			
	NYC APPROVED			*	*	*	*	*
			1	Electronics: 3 year stan	dard warranty	<u> </u>	I	I
	WARRANTY	Battery: 1 year full / 9 years prorated						
PHYSICAL		Recess	s or grid	Recess, wall or grid	Recess, wall or grid Wall or optional floor mount Ped (standard), white gray, black switches			
		Convection cooled						
	CABLE ENTRY	Top or side						
	ACCESS	Front						

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