



EXTRONIX
emergency lighting

barrontg.com

SINGLE PHASE, INDOOR STANDBY EMERGENCY LIGHTING INVERTER

375 or 600 Watts.

Universal user-selectable 120 or 277VAC input.

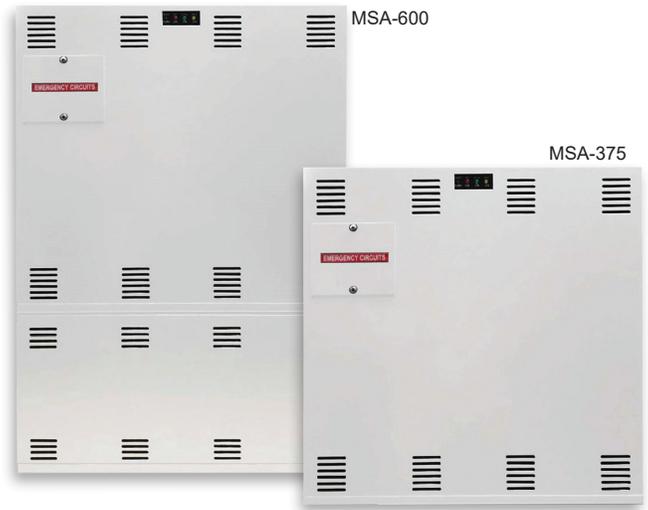
High-quality power conditioning, backup power protection
and distribution for critical loads.

Provides a minimum of 90 minutes of emergency power.

MESA Series

SINGLE PHASE, INDOOR STANDBY EMERGENCY LIGHTING INVERTER

The Mesa Series is a single phase, standby, solid-state inverter system designed to provide “soft-start” power to designated emergency lighting fixtures. Each system consists of a self-contained inverter section with a fully automatic, thermal-compensating, variable-rate battery charger. The Mesa series is designed to function in conjunction with the existing building electrical system to provide Pulse Width Modulated (PWM), sinusoidal, high-quality power conditioning, backup power protection and distribution for lighting loads and other critical loads. The Mesa Series provides a minimum of 90 minutes of emergency power to the connected load. Lumen output will be maintained at 100% of the lamp’s rating throughout the duration.



SPECIFICATIONS

Standard Power Level:	375 or 600 Watts	Battery:	Sealed Lead Calcium (10 year life)
Power Factor Range:	0.88 leading to 0.88 lagging	Battery Voltage:	60/96VDC for 375/600W respectively
Input Voltage:	Universal user-selectable 120 or 277VAC	Battery Protection:	Low Voltage Disconnect and AC Lockout
Input Frequencies:	60Hz +/- 2%	Other Protection:	Brownout protection; Reverse polarity, DC overload and short circuit protection by DC input breaker and fuse
Output Voltage:	120 or 277VAC single phase (must match input)	Charger Type:	Fully automatic, temperature compensated, dual mode charger
Output Frequencies:	60 Hz, ±3% during emergency cycle	Recharge Cycle:	Conforms to UL924 Standards
Efficiency:	≥98% at 100% linear load	Control:	Momentary test switch, AC-on, Charge-on and Inverter-on LED indicator lights
Waveform:	Sinusoidal (digitally controlled)	Operating Temperature:	20° to 30°C (68° to 86°F)
Output Distortion:	<3% THD @ 100% linear load	Power Consumption:	37W maximum (2.5W in standby) for 375W 56W maximum (5W in standby) for 600W
Transfer Time:	<1.0 second		
Input Protection:	Service panel rated at 20 amps maximum		
Output Protection:	Output Main Circuit Breaker		
Surge Protection:	Conforms to UL924 standards		

Series	Input/Output Voltage	Capacity For 1½ Hours (Watts/VA)	System Weight		System Efficiency (Full Load)	Number of Batteries	Battery Voltage (VDC)	Battery Current (Amps)	AC Input Current (Max)		Thermal Output (BTUs)	
			LBS	KG					120VAC	277VAC	On-Line	Emergency
MSA-375	120/277VAC	375/375	113	51.3	98%	5	60	7.3	3.4	1.5	11	205
MSA-600	120/277VAC	600/600	172	78.1	98%	8	96	7.1	5.5	2.4	15	275

ORDERING INFORMATION (Example: MSA-600-AO)

Series	Power Capacity	Options
MSA	375 = 375W	AO = Adjustable Output (4 levels) with 4 output circuits
	600 = 600W	CB = (2) 10A Output Circuit Breakers
		G2 = Self-testing/Self-diagnostics



Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.

10840432 MKT-LIT-MESA Rev 2



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