



EXTRONIX
emergency lighting

barrontg.com

SINGLE PHASE, INDOOR STANDBY EMERGENCY LIGHTING INVERTER

750, 950 or 1,150 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.

CANYON Series

SINGLE PHASE, INDOOR STANDBY, 750-1,150W
EMERGENCY LIGHTING INVERTER

The Canyon 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, temperature-compensating, variable-rate battery charger. The Canyon Series is designed to work with existing building electrical systems to provide Pulse Width Modulated (PWM), sinusoidal, high-quality power conditioning, backup power protection and distribution for lighting loads and other critical loads. Upon failure of the normal utility power, the Canyon Series automatically transfers to inverter mode and provides a minimum of 90 minutes of emergency power to the connected load.



SPECIFICATIONS

Standard Power Level:	750, 950 or 1,1500 Watts	Surge Protection:	Conforms to UL924 standards
Power Factor Range:	0.88 leading to 0.88 lagging	Battery:	Sealed Lead Calcium (10 year life)
Input Voltage:	Universal user-selectable 120 or 277VAC	Battery Voltage:	48/60/72 VDC for 750/950/1150W respectively
Input Frequencies:	60Hz +/- 2%	Battery Protection:	Low Voltage Disconnect and AC Lockout
Output Voltage:	120 or 277VAC single phase (must match input)	Other Protection:	Brownout protection; Reverse polarity, DC overload and short circuit protection by DC input breaker and fuse
Output Frequencies:	60 Hz, ±.3% during emergency cycle	Charger Type:	Fully automatic, temperature compensated, dual mode charger
Efficiency:	≥98% at 100% linear load	Recharge Cycle:	Conforms to UL924 Standards
Waveform:	Sinusoidal (digitally controlled)	Control:	Momentary test switch, AC-on, Charge-on and Inverter-on LED indicator lights
Output Distortion:	<3% THD @ 100% linear load	Operating Temperature:	20° to 30°C (68° to 86°F)
Transfer Time:	<1.0 second		
Input Protection:	Service panel rated at 20 amps maximum		
Output Protection:	Output Main Circuit Breaker		

Series	Power Rating (Watts)	Voltage (VAC)		Cabinet Dimensions			Weight (LBS)	BTUs	Battery Type	Output Protection
		Input	Output	Width	Height	Depth				
Canyon Single Phase Standby Inverter	750	120, 277	120, 277	22.4"	25.1"	9.2"	190	416	Sealed, Maintenance Free Lead Calcium	1 to 6 Circuit Breakers
	950						222	484		
	1150						254	535		

ORDERING INFORMATION (Example: CNYN-750-4AO)

Series	Power Capacity	Options
CNYN	750 = 750W	CBx = (Must Specify: 1 to 6) 10A Output Circuit Breakers ¹
	950 = 950W	G2 = Self-testing/Self-diagnostics
	1150 = 1150W	4AO = Adjustable Output (4 levels) With 4 Output Circuits

Notes

¹ 15A Branch circuit max



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

10840475 MKT-LIT-CANYON Rev 1



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