

Compact Central Lighting Inverter 350 to 2100 Watts

The Econosine is specifically designed for smaller (350 to 2100 watts) emergency lighting applications, and where space is limited. By incorporating the use of new solid state electronics, this compact, economical unit can replace much larger, more expensive inverters.

Superior to other designs on the market, the Econosine is self-contained with both inverter electronics and batteries in a single cabinet, and has the smallest footprint in the industry. The versatile Econosine is the ideal power choice to provide the required 90 minute emergency egress lighting for a wide variety of retail and commercial applications.

Key Features of the ECONOSINE:

- Very compact 24"W x 28"H x 15"D space-saving enclosure. Convenient front access.
- Self-contained-both electronics and batteries in one cabinet.
- Latest technology microprocessor controlled electronics with PWM (Pulse Width Modulated) design for true Sine Wave output.
- Double Conversion, "no-break" online system powers all lamp types, including HID.
- **TVSS (Input Transient Voltage Surge Suppressor) is standard.**
- Easy to install



EconoSine

Compact Central Lighting Inverter TVSS (Standard) Self-Contained, Single Cabinet

Applications

Ideal for smaller applications from 350 to 2100 Watts, and where space is limited. Typical installations:

- Retail Stores
- Schools
- Medical Clinics
- Restaurants
- Hotels and Motels
- Banks
- Museums
- Apartments
- Military Barracks
- Offices
- Small Industrial
- Large Homes



350 to 2100 Watts

Single Phase, 120, 208, 240, or 277 Volt

**LED, HID, Incandescent, Fluorescent
Very Small Footprint, Front Access**

**Listed to UL924 Lighting
and UL1778 UPS Standards**

A Full Line Power Protection Company.

EconoSine Specifications

Input Voltage: 120 Volt Only $\pm 10\%$ On-Line zero Transfer time,
277 Volt Input with external Isolation Transformer Only

Output Voltage: 120 Volt Only, or 277 Volt with external Isolation Transformer Only

Output Frequency: 60 Hz. $\pm 5\%$

Output Voltage Regulation: $\pm 4\%$ for all loads and for Battery Discharge mode

Output Wave Form: Sinewave during emergency @ 10% max. THD with linear load

Output Protection: Current limiting and short circuit protection

Battery: Maintenance free sealed lead calcium

48 VDC for 350, 525, & 700 Watts

72 VDC for 875, 1050, & 1400 Watts

96 VDC for 2100 Watts

Recharge Time: Recharge Time per U.L. 924

Safety Agencies: UL1778, UL924, NFPA101, NFPA70, NEC, and OSHA

Environmental:

Humidity: 0 - 95% RH w/no condensation

Operating Temp.: UPS: 0°C to +40°C. (32°F to 104°F)

BATTERY: 20°C to 25°C. (68°F to 77°F)

Isolation Transformers must be used on all input or output voltages other than 120.

By using the Isolation Transformer, you have the choice of 208 or 240 or 277 Volts on the input or output.

Note, these are all externally mounted.

STANDARD FEATURES

- Low Profile Compact Cabinet
- Single Phase, Full Range Voltage Regulation
- AC Power ON Indicator
- Battery ON Indicator
- Charger ON Indicator
- Output Breaker
- 1 AC Input and 1 AC Output C/B
- Battery Breaker
- T.V.S.S.
- Automatically Tests every 30 days and 12 months.

APPLICATIONS

- HID and LED
- Incandescent
- Fluorescent
- High Pressure Sodium

OPTIONS

- Auto/Isolation Transformers
- Output Circuit Breakers, maximum (5) 1P

TOTAL WATTS	MODEL NUMBER	INPUT	OUTPUT	WEIGHT (LBS)	SHIP WT (LBS)	BTUs/HR	PHYSICAL SIZE W x H x D
350/ 330*	ES.50A0100N1	120V	120V	238	305	300	24" x 28" x 15"
	ES.50A0100N1/9100-768	277V	120V	259	326		
	ES.50A0100N1/9100-768	120V	277V	259	326		
	ES.50A0100N1/9100-768/9100-768	277V	277V	280	347		
525/ 500*	ES.75A0100N1	120V	120V	238	305	450	24" x 28" x 15"
	ES.75A0100N1/9100-768	277V	120V	259	326		
	ES.75A0100N1/9100-768	120V	277V	259	326		
	ES.75A0100N1/9100-768/9100-768	277V	277V	280	347		
700/ 670*	ES1.0A0100N1	120V	120V	303	370	600	24" x 28" x 15"
	ES1.0A0100N1/9100-770	277V	120V	343	410		
	ES1.0A0100N1/9100-770	120V	277V	343	410		
	ES1.0A0100N1/9100-770/9100-770	277V	277V	383	450		
875/ 840*	ES1.2A0100N1	120V	120V	404	471	750	24" x 28" x 15"
	ES1.2A0100N1/9100-770	277V	120V	444	511		
	ES1.2A0100N1/9100-770	120V	277V	444	511		
	ES1.2A0100N1/9100-770/9100-770	277V	277V	484	551		
1050/ 1000*	ES1.5A0100N1	120V	120V	418	485	1010	24" x 28" x 15"
	ES1.5A0100N1/9100-771	277V	120V	505	572		
	ES1.5A0100N1/9100-771	120V	277V	505	572		
	ES1.5A0100N1/9100-771/9100-771	277V	277V	592	659		
1400/ 1345*	ES2.0A0100N1-02	120V	120V	478	545	1475	24" x 28" x 15"
	ES2.0A0100N1-02/9100-771	277V	120V	565	632		
	ES2.0A0100N1-02/9100-771	120V	277V	565	632		
	ES2.0A0100N1-02/9100-771/9100-771	277V	277V	652	719		
2100/ 2015*	ES3.0A0100N1-02	120V	120V	583	650	1625	24" x 28" x 15"
	ES3.0A0100N1-02/9100-771	277V	120V	672	737		
	ES3.0A0100N1-02/9100-771	120V	277V	672	737		
	ES3.0A0100N1-02/9100-771/9100-771	277V	277V	759	824		

* If isolation transformers are required, reduce wattage.

Specifications are subject to change without prior notification.