



CRUCIAL POWER PRODUCTS

Compact Central Lighting Inverter



EconoSine 2

500 to 2,700 Watts

Single Phase, 120 or 277 Volt
LED, Incandescent, Fluorescent, HID
Very small footprint and front access
Listed to UL924 and UL1778 Standards

Key Features:

- **Very compact 23.5"W x 34.25"H x 18.25"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 Sign Wave output**
- **Double Conversion, "no break" online system powers all lamp types, including HID or Standby**
- **Enhanced protection against lightning, surges and disturbance, etc.**
- **Easy to install - can be mounted on floor or against the wall**
- **Remote monitoring with SNMP intelligent slot**
- **LCD display for detailed status & data: real time alarm silence**

The EconoSine 2 is specifically designed for smaller (500 to 2700 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 2 is self-contained with both inverter electronics and batteries in a single cabinet, and has the smallest footprint in the industry. The versatile EconoSine 2 is the ideal power choice to provide the required 90 minute emergency egress lighting for a wide variety of retail and commercial applications.

EconoSine 2 Specifications

Sizes: 500, 750, 1000, 1250, 1500, 2100, 2500 and 2700 Watts

Input Voltage: 120 or 277 Volt $\pm 10\%$ On-Line zero Transfer time

Output Voltage: 120 or 277 Volt

Output Frequency: 50 or 60 Hz $\pm 5\%$ (battery mode)

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

Recharge Time: Recharge Time per U.L. 924

Safety Agencies: Listed to UL1778 and UL924 Standards

Environmental:

Operating Temp.:	(Conditioned Space) 68° to 86°F (20° to 30°C) Per UL924
Battery:	20° to 25°C. (68°-77°F)
Storage Temp.:	-20° to 50°C. (-4° - 122°F)
Humidity:	0% - 95% (non-condensation)
Altitude:	Up to 10,000 ft

Cabinet Size: 23.5"W x 34.25"H x 18.25"D

High Stand (Stackable): 34"W x 40"H x 22"D (Optional)

Options

- Seismic Bracket - Zone 4
- High Stand Mounting (Stackable)
- Auxiliary TVSS
- Normally ON Auxillary Breakers, 20amp up to 12CB
- Normally OFF or Normally ON w/ Time Delay adj. Output Breakers 20 Amp up to 12 CB
- Dry Contact, Form "C"
- SNMP/Web Card
- Maintenance Bypass Switch
- Stand-by offline mode (No HID)

STANDARD FEATURES

- Low profile compact cabinet
- Single phase, full range voltage regulation
- Main input/output breaker
- Battery circuit breaker
- Battery Exerciser
- Monitoring Panel
 - Front panel LCD displays unit's status
 - Alarm indicators

Applications

Office Buildings, Factories
Hospitals, Hotels, & Motels
Schools & Universities
Shopping Centers
Casinos, Airports
Military Installations
Apartment Buildings
Train & Bus Stations

WATTS	Model Numbers	WEIGHTS	INPUT	OUTPUT	BTUs/HR	W" x H" x D"
500	ES.50A0100N1-x	275 LBs	120V	120V	478	23.6 x 34.25 x 18.25
	ES.50R0100T1-x		277V	120V	550	
	ES.50A2500T1-x		120V	277V	550	
	ES.50R2500T1-x		277V	277V	550	
750	ES.75A0100N1-x	370 LBs	120V	120V	492	
	ES.75R0100T1-x		277V	120V	575	
	ES.75A2500T1-x		120V	277V	575	
	ES.75R2500T1-x		277V	277V	575	
1000	ES1.0A0100N1-x	370 LBs	120V	120V	615	
	ES1.0R0100T1-x		277V	120V	675	
	ES1.0A2500T1-x		120V	277V	675	
	ES1.0R2500T1-x		277V	277V	675	
1250	ES1.2A0100N1-x	460 LBs	120V	120V	780	
	ES1.2R0100T1-x		277V	120V	890	
	ES1.2A2500T1-x		120V	277V	890	
	ES1.2R2500T1-x		277V	277V	890	
1500	ES1.5A0100N1-x	510 LBs	120V	120V	925	
	ES1.5R0100T1-x		277V	120V	1100	
	ES1.5A2500T1-x		120V	277V	1100	
	ES1.5R2500T1-x		277V	277V	1100	
2100	ES.1A0100N1-x	570 LBs	120V	120V	1175	
	ES.1R0100T1-x		277V	120V	1525	
	ES.1A2500T1-x		120V	277V	1525	
	ES.1R2500T1-x		277V	277V	1525	
2500	ES1.5A0100N1-x	720 LBs	120V	120V	1351	
	ES1.5R0100T1-x		277V	120V	1813	
	ES1.5A2500T1-x		120V	277V	1813	
	ES1.5R2500T1-x		277V	277V	1813	
2700	ES2.7A0100N1-x	730 LBs	120V	120V	1392	
	ES2.7R0100T1-x		277V	120V	2103	
	ES2.7A2500T1-x		120V	277V	2103	
	ES2.7R2500T1-x		277V	277V	2103	

Specifications are subject to change without prior notification.



Los Angeles, CA

Tel: (800) 244-4069 • www.crucialpower.com

email: info@crucialpower.com

405-DS-4-23