

# COMPACT EMERGENCY LIGHTING INVERTER

90 minutes Battery Backup Time @ full load



## Mini Power Wave

500 to 2100 W, Single Phase

### Emergency Lighting Approved

UL 924 with 90 minutes of sealed lead calcium batteries to power emergency lighting circuits, the Mini Power Wave will keep egress path illuminated. The Mini Power Wave is specifically designed for smaller (500 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 Mini Power Wave is self-contained with both inverter electronics and batteries in a single cabinet, and has the smallest footprint in the industry. The versatile Mini Power Wave is the ideal power choice to provide the required 90 minute emergency egress lighting for a wide variety of retail and commercial applications.

### State of Art Technology

High Frequency PWM double conversion uses Digital Signal Processing for control, measurement to protect the load. The Mini Power Wave is always on-line, eliminating noise, spikes, sags, and brownouts. Should utility power fail, the inverter provides uninterrupted output power to the critical load. This high frequency unit is listed to UL1778 and UL924 by ETL.

### Small Footprint Cabinet

The Mini Power Wave requires less floorspace than most other UPS systems and can be mounted on floor, wall, and in the ceiling. Its compact, lightweight design saves overall space, facilitates handling, and keeps shipping costs to a minimum.

### Safeguard™ Battery Management System

OnLine Power has designed a process for the real time ability to charge and monitor the battery system. This system utilizes a microprocessor technology to monitor the batteries critical levels and apply charging cycles in a method to substantially increasing battery life.



Listed to UL1778 and UL924 by ETL

Compact, Space-saving Enclosure

Convenient front access

Self-contained-both electronics and batteries in one cabinet

TVSS (Input Transient Voltage Surge Suppressor)

Pulse Width Modulated (PWM)

Double Conversion, "no-break" online system powers all lamp types, including Incandescent, Fluorescent, LED, and HID

Easy to Install - can be mounted on floor, wall, and in the ceiling

Optional stand raises unit 4 ft. to free-up valuable floor space



Incandescent, Fluorescent, HID, HPS, Power factor and energy efficient Ballast Compatible  
Computer Room - Production Facility - Testing Lab - Telecommunications - Retail Sales / POS - Industrial - Government  
Public Building - Schools - Library - Healthcare - Cruise Line - Banking / Credit - Printing Facility

# Mini Power Wave Specifications

**Power Rating:** 500, 750, 1000, 1250, 1500, and 2100 Watts

**Input Voltage:** 120 or 277 Volts,  $\pm 10\%$  On-Line zero transfer time

**Output Voltages:** 120 or 277 Volt

**Output Frequency (Inverter Operation):** 50 or 60 Hz  $\pm 0.5\%$  (battery mode)

**Output Voltage Regulation:**  $\pm 4\%$  for all loads and for battery discharge mode

**Output Wave Form:**  $< 10\%$  THD with linear load

**Output Protection:** Current limiting and short circuit protection

**Battery Type:** Maintenance free sealed lead-acid

**Recharge Time:** Conforms to UL924 Standard

**Environmental:**

**Humidity:** 0 - 95% RH non-condensation

**Operating Temperature:** UPS: 0° to 40°C. (32° - 104°F);  
Battery: 20° to 25°C. (68°-77°F)

**Safety Agencies:** Listed to UL1778 and UL924 by ETL

**Cabinet Dimension:** 23.5"(W) x 34.25"(H) x 18.25"(D)

TOTAL WATTS	*Model Numbers	Total Wgt. (lbs)	VOLTAGE		BTUs/HR
			IN	OUT	
500	MW.50A0100N1	275	120	120	478
	MW.50R0100T1		277	120	550
	MW.50A2500T1		120	277	550
	MW.50R2500T1		277	277	550
750	MW.75A0100N1	370	120	120	492
	MW.75R0100T1		277	120	575
	MW.75A2500T1		120	277	575
	MW.75R2500T1		277	277	575
1000	MW1.0A0100N1	370	120	120	615
	MW1.0R0100T1		277	120	675
	MW1.0A2500T1		120	277	675
	MW1.0R2500T1		277	277	675
1250	MW1.2A0100N1	460	120	120	780
	MW1.2R0100T1		277	120	890
	MW1.2A2500T1		120	277	890
	MW1.2R2500T1		277	277	890
1500	MW1.5A0100N1	510	120	120	925
	MW1.5R0100T1		277	120	1100
	MW1.5A2500T1		120	277	1100
	MW1.5R2500T1		277	277	1100
2100	MW2.1A0100N1	570	120	120	1175
	MW2.1R0100T1		277	120	1525
	MW2.1A2500T1		120	277	1525
	MW2.1R2500T1		277	277	1525

\* Model numbers followed with "-V" for 72 VDC units or "-S" for 96 VDC units.  
All units are 90 minutes Battery Back-up time @ full Load.

## STANDARD FEATURES

- Input/Output Circuit Breaker
- Battery Breaker:
- Monitoring panel:
  - Front Panel LCD displays unit's status
  - Alarm Indicators
  - LED status indicator lights:
    - ON
    - ON-LINE
    - ON-BAT
    - BYPASS
    - FAULT
  - or
  - FAULT LED
  - WARNING LED
  - NORMAL LED

## OPTIONS

- Floor Mounting Bracket
- Output Circuit Breakers
- Auxiliary T.V.S.S.
- Normally ON Output Breakers 20amp up to 12 CB
- Normally OFF or Normally ON W/ time delay adj. Output Breakers 20amp up to 12 CB
- Remote status panel (AS400C w/ Relay card & remote monitor)
- SNMP/WEB Card
- Maintenance Bypass Switch
- RS232
- Extended Warranty Service

Specifications are subject to change without prior notification.

