



Mini Power Wave

Single Phase, 500 to 2700 Watts



COMPACT EMERGENCY LIGHTING INVERTER

Mini Power Wave is the ideal emergency lighting solution, designed to provide quality AC power to all lightings. Mini Power Wave is self-contained with both inverter and batteries in a single cabinet with smallest footprint.



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For the latest product news, technical specs, drawings, guides and manuals.

STANDARD FEATURES

- ✓ 90 Minute Back up at Full Load
- ✓ Listed to UL924 and UL1778 Standards
- ✓ Compatible with Self-Ballast Fluorescent, Incandescent, Halogen, Quartz Re-strike, HID, HPS and LED
- ✓ True Online, Double Conversion, Technology with **Zero Transfer Time**
- ✓ High Frequency Pulse Width Modulation (PWM) for Pure Sine Wave Output
- ✓ Small Footprint with Front Access
- ✓ LED Indicator w/ LCD Display for Local Diagnostics
- ✓ Audible Alarm Indicators
- ✓ Main Input, Main Output and Battery Breakers
- ✓ Input Voltage Regulation & Conditioning
- ✓ Self-Testing/Battery Exerciser and Event Logger

OPTIONAL FEATURES

- Communication (select one):
 - SNMP/Web Card
 - RS-232
 - Dry Contact
 - USB Communication Port w/ Monitoring Software
- Input TVSS
- Normally ON or Normally OFF Auxiliary Output Circuit Breakers (Up to 12) w/ Time Delay
- Floor Mount Brackets
- High Stand Brackets (Stackable)
- Thermal Runaway Control
- Internal Maintenance Bypass Switch



SPECIFICATIONS

Mini Power Wave

Single Phase
500 to 2700 Watts

INPUT

AC Voltage: 120V +10% or 277V

Frequency: 50 or 60 Hz, +/- 4Hz

OUTPUT

AC Voltage (on battery): 120V or 277V

AC Voltage: 120V ±2% or 277V

Frequency (on battery): 60Hz ±0.5Hz

Voltage Regulation: ±4% For all loads and for battery discharge mode.

Wave Form: Sine Wave

Harmonic Distortion: < 3% of THD at linear load

PROTECTION

Overload: 125% for 1 min and 150% for 10 sec

Short Circuit: Circuit breakers

BATTERY

Battery: 90 minute UL924 sealed, maintenance free lead acid battery.

Recharge Time: Conforms to UL standards

ENVIRONMENT

Operating Temperatures: (Conditioned Space)

68° to 86°F (20° to 30°C) Per UL924

Battery: 20° to 30°C (68° - 86°F)

Storage/Transport: to 40,000 ft. (12,192 m).

Relative Humidity: 0% - 95% (non-condensation)

Altitude: Operating: Up to 10,000 ft.

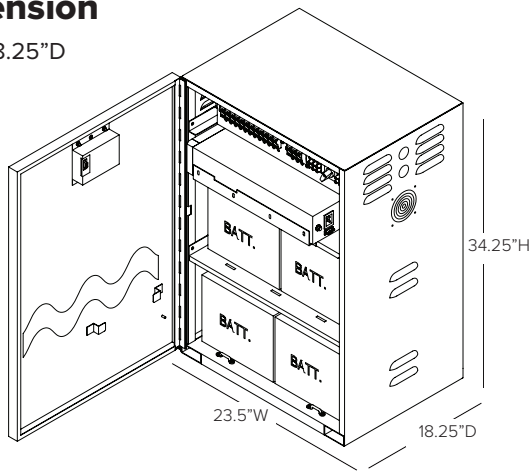
SAFETY STANDARDS

UL924, UL1778, NFPA101, NFPA70, NEC, and OSHA

Cabinet Dimension

23.5"W x 34.25"H x 18.25"D

(Inches) Width x Height x Depth

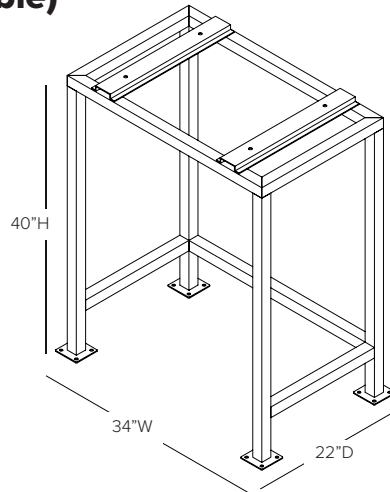


High Stand (Stackable)

(OPTIONAL)

34"W x 40"H x 22"D

(Inches) Width x Height x Depth



Model Numbers

Watts	Model	Input/Output	BTU/HR*	Weight
500	MW.50A0100N1	120/120	478	275 LBs
	MW.50R0100T1	277/120	550	"
	MW.50A2500T1	120/277	550	"
	MW.50R2500T1	277/277	550	"
750	MW.75A0100N1	120/120	492	370 LBs
	MW.75R0100T1	277/120	575	"
	MW.75A2500T1	120/277	575	"
	MW.75R2500T1	277/277	575	"
1000	MW1.0A0100N1	120/120	615	370 LBs
	MW1.0R0100T1	277/120	675	"
	MW1.0A2500T1	120/277	675	"
	MW1.0R2500T1	277/277	675	"
1250	MW1.2A0100N1	120/120	780	460 LBs
	MW1.2R0100T1	277/120	890	"
	MW1.2A2500T1	120/277	890	"
	MW1.2R2500T1	277/277	890	"
1500	MW1.5A0100N1	120/120	925	510 LBs
	MW1.5R0100T1	277/120	1100	"
	MW1.5A2500T1	120/277	1100	"
	MW1.5R2500T1	277/277	1100	"
2100	MW2.1A0100N1	120/120	1175	570 LBs
	MW2.1R0100T1	277/120	1525	"
	MW2.1A2500T1	120/277	1525	"
	MW2.1R2500T1	277/277	1525	"
2500	MW2.5A0100N1	120/120	1351	720 LBs
	MW2.5R0100T1	277/120	1813	"
	MW2.5A2500T1	120/277	1813	"
	MW2.5R2500T1	277/277	1813	"
2700	MW2.7A0100N1	120/120	1392	730 LBs
	MW2.7R0100T1	277/120	2103	"
	MW2.7A2500T1	120/277	2103	"
	MW2.7R2500T1	277/277	2103	"

Warranty

Standard warranty is eighteen (18) months from ship date or twelve (12) months from start up, whichever occurs first.



ORDERING GUIDE

PROJECT NAME :

REP / DISTRIBUTOR :

DATE :

ELECTRICAL DESIGNER / ENGINEER :

ORDER NUMBER **DOES NOT** REFLECT MODEL NUMBER. PLEASE CONSULT FACTORY.

Mini Power Wave

Example: MW-.50-A2500-TVSS-LCR20B(3)-N(12)B

MW-

MW

MODEL SERIES

MW :
Mini Power Wave

.50

WATTS RATING

.50 - 500W
.75 - 750W
1.0 - 1000W
1.2 - 1250W
1.5 - 1500W
2.1 - 2100W
2.5 - 2500W
2.7 - 2700W

A2500

VOLTAGE INPUT/OUTPUT

INPUT	OUTPUT
A - 120V	0100 - 120V
R - 277V	2500 - 277V

S90

BATTERY TYPE

S90: Standard @ 90min
U90: USA @ 90 min
(required for BAA and BABA compliance)

TVSS + LCR20B(3)

OPTIONS

PICK ANY:

TVSS: Input Transient Voltage Surge Suppressor (Class C)
LCR20B(#): Load Control Relay, Single Flex Stud Mounting (#): Qty
LCR20(#): Load Control Relay, No Flex (#): Qty
MB: Maintenance Bypass Switch
X: Seismic Mounting
HS: Floor stand to support 2nd unit on top of 1st unit.
TR: Thermal Runaway Gassing Control without Battery Disconnect (IFC 1206.2)

MONITORING:

PICK ONE ONLY

RS232: RS-232
SNMP: Remote Log Access
DCT: Dry Contact
USB: USB Port

WARRANTY & SERVICES

PICK ANY:

Blank: Standard Telephone Assisted Start Up & Warranty
T1: Additional 4 hour Training at Time of Start Up
T2: Additional Training Day up to 8 hours

AUX BREAKERS:

STANDARD: 20 AMP

First Pick One:

N: Normally ON
***F:** Normally OFF
****FD:** Normally OFF w/ Time Delay

Second Pick One:

(#): # of Breakers, up to 12 Max

Third Pick One:

A: 120V or **B:** 277V

Example:

N(12)B: 12 Normally ON Breakers, 277 Volts

* Battery Power is only supplied to circuit when utility power is lost.

** Time Delay keeps power on battery for extended time after utility power is restored