

## TECHNICAL SPECIFICATIONS

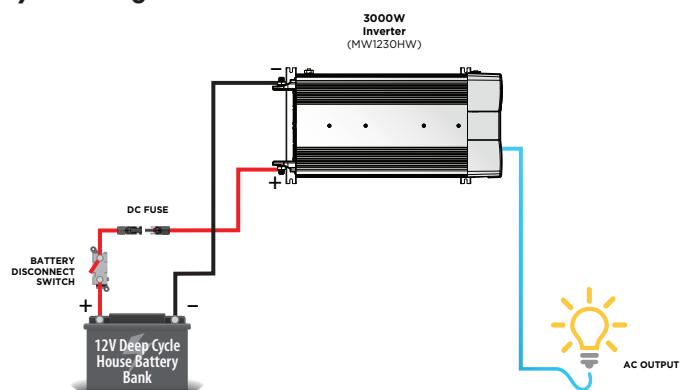
### **MW1230HW** 120 VAC Series 3000W Modified Sine Wave Inverter



#### Product features

- Modified sine wave output for economical power.
- Low battery shutdown prevents total battery discharge.
- Built in LED display for battery status and load measurement.
- GFCI outlets for safe operation.
- USB port for charging USB devices.
- Compact size for easy storage.
- Silent operation.

#### System diagram



#### Product dimensions

Length: 19.2", Width: 9", Height: 4.5" (488mm x 229mm x 114mm)

#### Available outputs



USA / CAN  
(GFCI and Breaker Protected)

HARDWIRE

Specifications subject to change without notice.

## MW1230HW 120 VAC Series 3000W Modified Sine Wave Inverter

### AC Output

|                    |                             |
|--------------------|-----------------------------|
| Power (Continuous) | 3000W                       |
| Power (Peak)       | 6000W                       |
| Voltage/Frequency  | 120VAC / 60 Hz              |
| Current            | 25.0A                       |
| Waveform           | Modified Sinewave (<3% THD) |
| Peak Efficiency    | 90%                         |
| AC Receptacle      | NEMA 5-20 - GFCI            |

### DC Output

|        |      |
|--------|------|
| 5V USB | 2.1A |
|--------|------|

### DC Input

|                                    |                |
|------------------------------------|----------------|
| Voltage (nominal)                  | 12.5Vdc        |
| Operation Range                    | 10.5 - 15.5Vdc |
| Inverter Standby Current (no load) | 1.2A           |
| Current (full load)                | 290A           |

### Protection

|                             |               |
|-----------------------------|---------------|
| Input Undervoltage Warning  | 11.2Vdc       |
| Input Undervoltage Shutdown | 10.5Vdc       |
| Input Undervoltage Recovery | 11.8Vdc       |
| Input Overvoltage Shutdown  | 15.5Vdc       |
| Output Power Warning        | Warning Code  |
| Output Power Shutdown       | Shutdown Code |
| Output Short Circuit        | Shutdown Code |
| Temperature Warning         | Warning Code  |
| Temperature Shutdown        | Shutdown Code |

### Display Panel

|                     |                             |
|---------------------|-----------------------------|
| LED Indicator       | Status                      |
| LED Digital Display | Input Voltage, Output Power |
| Remote Port         | Yes ( RJ12 )                |
| Remote Panel        | Optional ( for ON/OFF use ) |
| Ignition Start      | Use Ignition Start Port     |

### Operating Temperature

|                 |   |
|-----------------|---|
| Storage Range   | -40° to 70° C (-40° to 158° F)  |
| Operating Range | -20° to 60° C (-4° to 140° F)<br>derated linearly from<br>40° to 60° C (104° to 140° F) |

### Regulatory Compliance

|             |   |
|-------------|---|
| Markings    | cETLus  |
| Conformance | UL & CSA Standards (UL458/CSA C22.2 No. 107.2-01) |
| EMI/EMC     | FCC Part 15 Class B                               |

### Available Outputs



USA / CAN  
(GFCI and Breaker Protected)



HARDWIRE

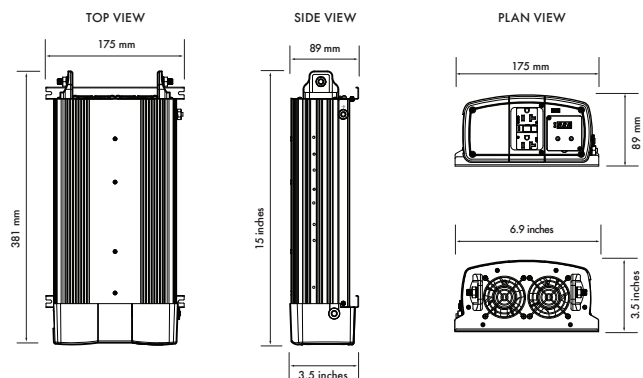
### Accessories (optional)

|                      |           |
|----------------------|-----------|
| Remote ON/OFF switch | RM1201-00 |
| Ignition Start Cable | ISO1      |

### Enclosure

|                        |   |
|------------------------|---|
| Dimensions (L x W x H) | 19.2" x 9" x 4.5" (488mm x 229mm x 114mm) |
| Net Weight             | 12.8 lbs. / 5.82 Kg                       |
| Accessory              | Not Applicable                            |

### Schematic Drawings



### Standard warranty

1 year warranty



This product carries a cETLus safety certification which complies with the Regulatory safety standards for North America.

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