

DC to AC Power Inverter



True Sinewave Inverter Series SW 1204, SW 1210, SW 1220

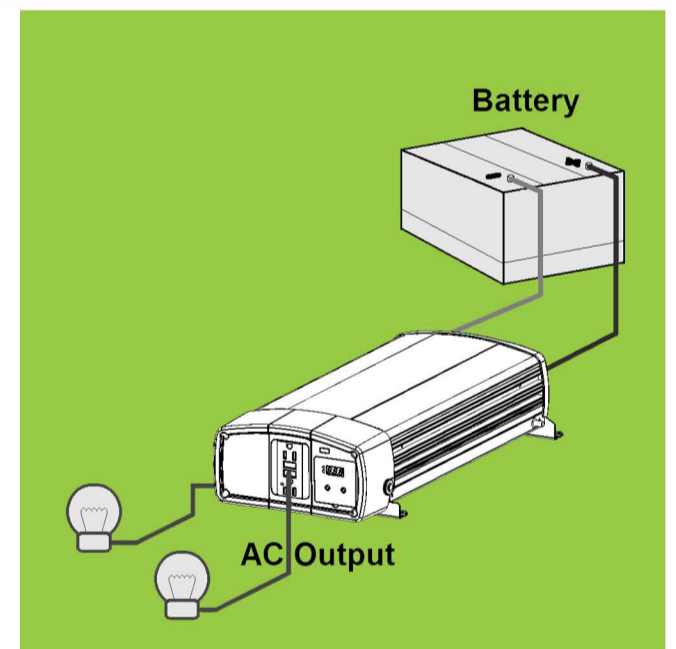
MSW Inverter Series

MW 1204, MW 1210, MW 1215,
MW 1230HW



Convert Battery Power to Household AC Power

- Run your household appliances in your truck, boat or RV
- Premium power sinewave inverters (SW series)
- Powerful and economical modified sinewave inverters (MW series)
- Exacting quality in compact sizes
- Ideal for cars, boats, trucks, and RV's



Features and Benefits

- Regulated output
- Low battery shutdown to prevent total battery discharge
- GFCI outlets for safe operation (all models except 400W)
- Built in LED display for battery status and load measurement
- Silent operation
- Over temperature shutdown
- Simple to install
- Remote on/off switch (all models except 400W)
- Compact size for easy storage
- USB port for charging USB devices (all models except 400W MSW)

Dimensions (W x Lx H):

| | | |
|------------|-------------------|---------------------|
| SW 1204: | 6.9 x 7.9 x 2.3" | (175 x 201 x 58mm) |
| SW 1210: | 12.6 x 6.9 x 3.4" | (320 x 175 x 87mm) |
| SW 1220: | 16.3 x 9.1 x 4.3" | (414 x 231 x 109mm) |
| MW 1204: | 4 x 6 x 2" | (102 x 152 x 51mm) |
| MW 1210: | 12.3 x 6.9 x 3.4" | (312 x 176 x 86mm) |
| MW 1215: | 15 x 6.9 x 3.4" | (381 x 176 x 86mm) |
| MW 1230HW: | 19.2 x 9 x 4.5" | (488 x 229 x 114mm) |

Weight:

| | |
|------------|-------------------|
| SW 1204: | 3.8 lb (1.73 kg) |
| SW 1210: | 6.0 lb (2.73 kg) |
| SW 1220: | 11.5 lb (5.23 kg) |
| MW 1204: | 1.6 lb (0.73 kg) |
| MW 1210: | 5.3 lb (2.41 kg) |
| MW 1215: | 6.9 lb (3.14 kg) |
| MW 1230HW: | 12.8 lb (5.82 kg) |

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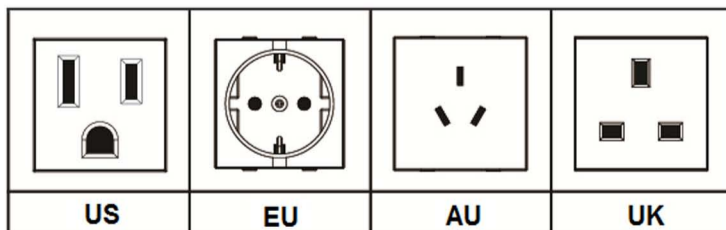
MSW Inverter, Hardwire Series

MW 1204, MW 1210, MW 1215,

MW1230HW



| | SW series (True Sinewave) | | | | | | MW series (Modified Sinewave) | | | | |
|------------------------------|---------------------------|---------------------------|--------|--------------------------|---------------------------|---------|-------------------------------|---------------------------|--------------|---------------|-----------------|
| | 120 VAC | | | 230 VAC | | | 120 VAC | | | | |
| | SW1204 | SW1210 | SW1220 | SW1204i | SW1210i | SW1220i | MW1204 | MW1210 | MW1215 | MW1230HW | |
| AC Output | | | | | | | | | | | |
| Power (Continuous) | 400W | 1000W | 2000W | 400W | 1000W | 2000W | 400W | 1000W | 1500W | 3000W | |
| Power (Peak) | 800W | 2000W | 4000W | 800W | 2000W | 4000W | 800W | 2000W | 3000W | 6000W | |
| Voltage/Frequency | 120Vac / 60Hz | | | 230Vac / 50 Hz | | | 120Vac/ 60 Hz | | | | |
| Current | 3.3A | 8.3A | 16.6A | 1.74A | 4.3A | 8.6A | 3.3A | 8.3A | 12.5A | 25.0A | |
| Waveform | True Sine Wave (<3% THD) | | | True Sine Wave (<3% THD) | | | Modified Sinewave | | | | |
| Peak Efficiency | 90% | | | 90% | | | 90% | | | | |
| AC Output Socket | NEMA 5-15 (GFCI) | | | Euro, Australia, UK | | | NEMA 5-15 | NEMA 5-15 (GFCI) | | NEMA 5-20 | |
| DC Output | | | | | | | | | | | |
| 5V USB | 750mA | | | 750mA | | | N/A | 750mA | | 2.1 A | |
| DC Input | | | | | | | | | | | |
| Voltage (nominal) | 12.5Vdc | | | 12.5Vdc | | | 12.5Vdc | | | | |
| Operation Range | 10.5 - 15.5Vdc | | | 10.5 - 15.5Vdc | | | 10.5 - 15.5Vdc | | | | |
| Current (no load) | 0.8A | 1.2A | 1.2A | 0.8A | 1.2A | 1.2A | 0.3A | 0.6A | 0.6A | 1.2A | |
| Current (full load) | 38A | 94A | 187A | 38A | 94A | 187A | 38A | 94A | 140A | 290A | |
| Display Panel | | | | | | | | | | | |
| LED Indicator | Power, Fault | | Status | | Power, Fault | | Status | | Power, Fault | | Status, Display |
| LED Digital Display | N/A | Input Volt, Output Power, | | N/A | Input Volt, Output Power, | | N/A | Input Volt, Output Power, | | | |
| Remote Port | N/A | Yes (RJ12) | | N/A | Yes (RJ12) | | N/A | Yes (RJ12) | | N/A | |
| Remote Panel | N/A | Optional (for on/off use) | | N/A | Optional (for on/off use) | | N/A | Optional (for on/off use) | | Detachable | |
| Protection | | | | | | | | | | | |
| Input Undervoltage Warning | 11.2Vdc | | | 11.2Vdc | | | 11.2Vdc | | | | |
| Input Undervoltage Shutdown | 10.5Vdc | | | 10.5Vdc | | | 10.5Vdc | | | | |
| Input Undervoltage Recovery | 11.8Vdc | | | 11.8Vdc | | | 11.8Vdc | | | | |
| Input Overvoltage Shutdown | 15.5Vdc | | | 15.5Vdc | | | 15.5Vdc | | | | |
| Output Power Warning | N/A | Warning code | | N/A | Warning code | | N/A | | Warning code | | |
| Output Power Shutdown | Yes | Shutdown code | | Yes | Shutdown code | | Yes | Shutdown code | | Shutdown code | |
| Output Short Circuit | Yes | Shutdown code | | Yes | Shutdown code | | Yes | Shutdown code | | Shutdown code | |
| Temperature Warning | N/A | Warning code | | N/A | Warning code | | N/A | | Warning code | | |
| Temperature Shutdown | Yes | Shutdown code | | Yes | Shutdown code | | Yes | Shutdown code | | Shutdown code | |
| Regulatory Compliance | | | | | | | | | | | |
| Markings | cETLus | | | CE | | | cETLus | | | | |
| Conformance | Conforms to UL 458, | | | LVD & EMC | | | Conforms to UL 458, | | | | |



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