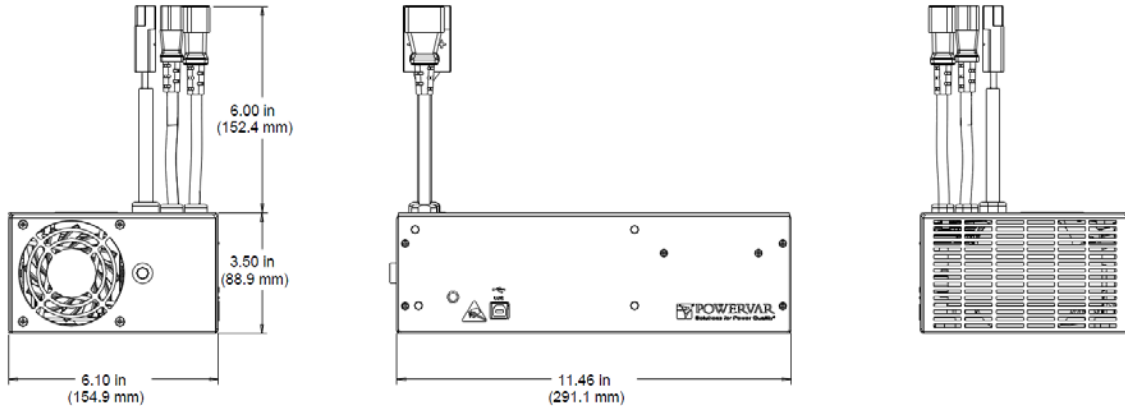
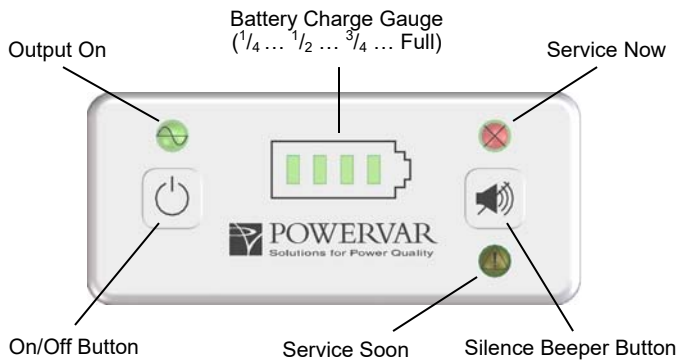


## Mobile Power Manager (MPM) Specifications—North America



| Model<br>Part Number                 | ABCE150-11M2<br>87023-06R   | ABCE250-11M2<br>87023-07R   |
|--------------------------------------|---|---|
| Type                                 | MPM   | MPM   |
| Power Rating                         | 150 VA / 150 W  | 250 VA / 250 W  |
| Input Voltage (Nominal)<br>Range     | 120 VAC<br>100-137 VAC  | 120 VAC<br>100-137 VAC  |
| Maximum Input Current                | 5.9 A   | 3.9 A   |
| Input Frequency                      | 60 Hz ±5  | 60 Hz ±5  |
| Input Power Factor                   | >0.90   | >0.90   |
| Output Voltage                       | 120 VAC   | 120 VAC   |
| Inverter Waveform                    | Low Distortion Sine Wave  | Low Distortion Sine Wave  |
| Transfer Time                        | <5 Milliseconds   | <5 Milliseconds   |
| Overload<br>Online Mode              | 100-110%: No Limit<br>110-120%: 5 Minutes<br>121-140%: 15 Seconds<br>141-200%: 1 Second<br>>200%: 0.1 Seconds     | 100-110%: No Limit<br>110-120%: 5 Minutes<br>121-140%: 15 Seconds<br>141-200%: 1 Second<br>>200%: 0.1 Seconds     |
| Overload<br>Battery Mode             | 100-110%: No Limit<br>110-120%: 30 Seconds<br>121-140%: 15 Seconds<br>141-200%: 0.5 Seconds<br>>200%: 0.1 Seconds | 100-110%: No Limit<br>110-120%: 30 Seconds<br>121-140%: 15 Seconds<br>141-200%: 0.5 Seconds<br>>200%: 0.1 Seconds |
| Battery Voltage (Nominal)            | 12.0 VDC  | 12.0 VDC  |
| Maximum Charger Current<br>(Average) | 4.0-15.5 A  | 4.0-13.0 A  |
| Battery Compatibility                | SLA<br>LiFePO4  | SLA<br>LiFePO4  |
| Battery Communication                | SMBus<br>RS485  | SMBus<br>RS485  |
| Backup Time (Full Load)              | Battery Dependent   | Battery Dependent   |
| Communications Interface             | USB   | USB   |
| Software                             | MPM View  | MPM View  |
| Audible Noise (Maximum)              | 45 dBA at 1 m   | 45 dBA at 1 m   |
| Unit Weight                          | 15.0 lbs. / 6.8 kg.   | 15.5 lbs. / 7.0 kg.   |

**Remote User Interface Controls**



**Power Connections**

- IEC320 (AC Input)
- IEC320 (AC Output)
- Yellow Anderson SB350 (Battery)
- 2X RJ45 (Remote User Interface)
- RJ45 (Smart Battery Communications)
- USB Type B

**MPM is Verified to Meet the Charge/Discharge Specifications of the Following Battery Types/Manufacturers**

- SLA 12.5-90 Ah
- LiFePO4
  - Ultralife
  - Valence - U1-12RT
  - Powersonic - PSL Series
  - ICC/Nexergy - U1

**Environmental**

- Temperature: 0 to 40°C (32 to 104°F) Operating  
-20 to 50°C (-40 to 122°F) Shipment, Storage
- Humidity: <90% Non-Condensing (Operating, Shipment, Storage)

**Safety Agency and EMC Compliance**

All units are listed by UL, and marked with the UR/cUR marking.

**Product Listings**

- UL60601-1 3rd Edition (Without Risk Assessment)
- UL1778 5th Edition
- cUR to CAN/CSA-C22.2 No. 60601-1 (2008)

**Product Compliances**

- FCC Part 15J Class B
- CISPER 11 Class B
- IEC61000-4-2, Electrostatic Discharge
- IEC61000-4-3, Radiated Electromagnetic Field Immunity
- IEC61000-4-4, Electrical Fast Transient/Burst Immunity
- IEC61000-4-5, Surge Immunity
- IEC61000-4-6, CS
- IEC61000-4-8, Power Frequency Magnetic Field
- IEC61000-4-11, Voltage Dip, Short Interruption, Voltage Radiation Immunity
- RoHS

**Warranty/Support:** POWERVAR warrants its mobile power managers or MPM (known hereafter as the "product") to be free from defects in materials or workmanship for a period of two years from the date of shipment. The product will be repaired or (at Powervar's option) replaced at no charge during this warranty period. Product must be returned prepaid to the factory. POWERVAR makes no warranties, expressed or implied, of merchantability, fitness for a particular purpose, performance, condition, capacity or otherwise. Powervar is not liable for incidental or consequential damages, monetary loss, loss of sales, or loss of business resulting from the failure or malfunction of the product. Warranty is void on any product that is misused, misapplied, abused, altered or repaired by any unauthorized personnel or where evidence of tampering exists. The foregoing constitutes the sole and exclusive remedy of the purchaser and is in lieu of all other warranties. No greater degree of liability is imposed on POWERVAR.

**Battery Life Disclaimer:** If SLA batteries are included as part of the system delivered from POWERVAR; SLA batteries are warranted to be free from defects in materials or workmanship for a period of 90-days from the date of shipment.