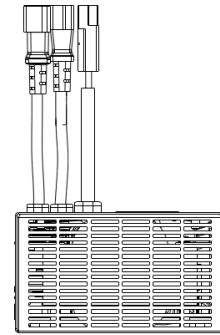
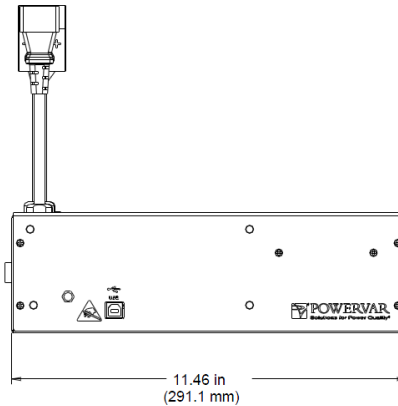
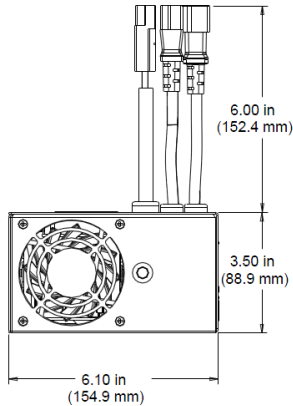
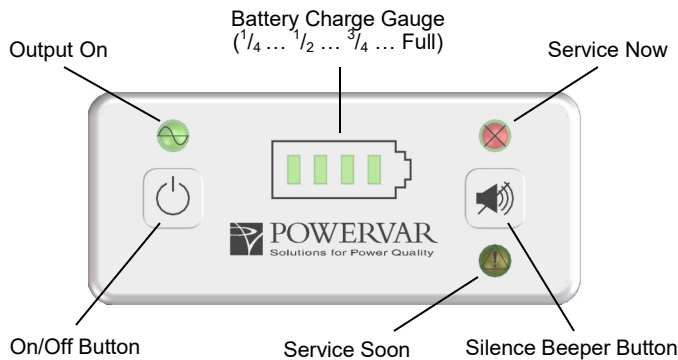


Mobile Power Manager (MPM) Specifications—International



| Model Part Number | ABCE150-22M2 87023-12R | ABCE250-22M2 87023-13R |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Type | MPM | MPM |
| Power Rating | 150 VA / 150 W | 250 VA / 250 W |
| Input Voltage (Nominal) Range | 230 VAC 195-265 VAC | 230 VAC 195-265 VAC |
| Maximum Input Current | 2.25 A | 2.50 A |
| Input Frequency | 50/60 Hz ±5 | 50/60 Hz ±5 |
| Input Power Factor | >0.90 | >0.90 |
| Output Voltage | 230 VAC | 230 VAC |
| Inverter Waveform | Low Distortion Sine Wave | Low Distortion Sine Wave |
| Transfer Time | <5 Milliseconds | <5 Milliseconds |
| Overload Online Mode | 100-110%: No Limit 110-120%: 5 Minutes 121-140%: 15 Seconds 141-200%: 1 Second >200%: 0.1 Seconds | 100-110%: No Limit 110-120%: 5 Minutes 121-140%: 15 Seconds 141-200%: 1 Second >200%: 0.1 Seconds |
| Overload Battery Mode | 100-110%: No Limit 110-120%: 30 Seconds 121-140%: 15 Seconds 141-200%: 0.5 Seconds >200%: 0.1 Seconds | 100-110%: No Limit 110-120%: 30 Seconds 121-140%: 15 Seconds 141-200%: 0.5 Seconds >200%: 0.1 Seconds |
| Battery Voltage (Nominal) | 12.0 VDC | 12.0 VDC |
| Maximum Charger Current (Average) | 4.0-13.0 A | 4.0-10.0 A |
| Battery Compatibility | SLA LiFePO4 | SLA LiFePO4 |
| Battery Communication | SMBus RS485 | SMBus 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
 - Devon Titus - 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)
- IEC 60601-1(ed.3)
- IEC 62040-1(ed.1)

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.