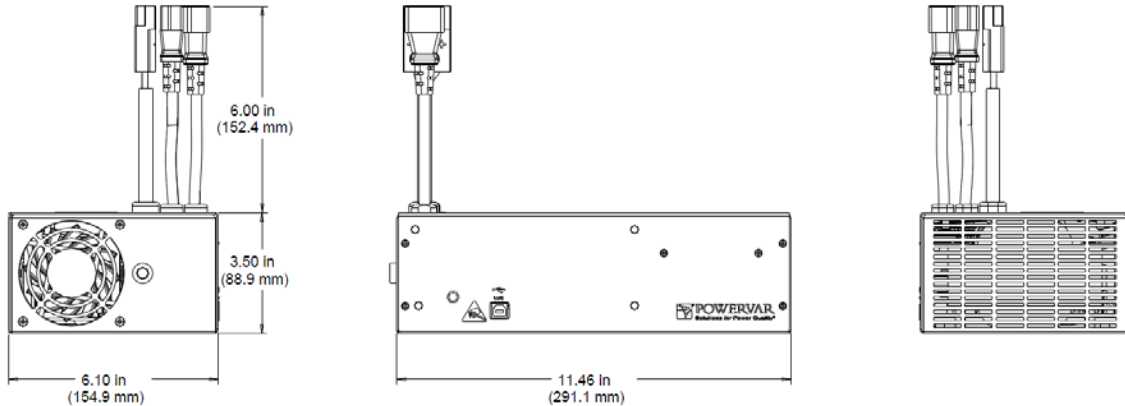
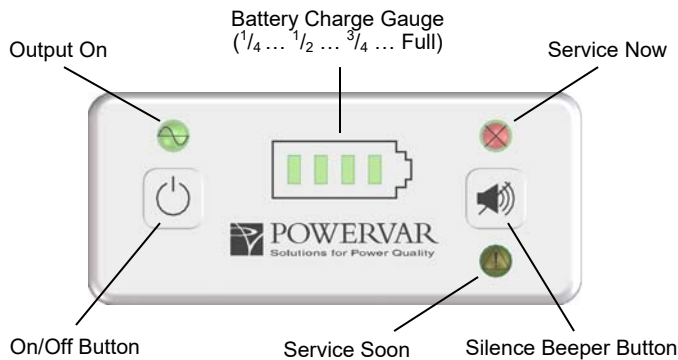


## Mobile Power Manager (MPM) Specifications—International



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

**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.