



MW Engineers 3600Wh LiFePO4 Portable Power Generator

Product Data Sheet - Model: MWE-LFP3600

Product Overview

The MWE-LFP3600 is a high-capacity, portable LiFePO4 backup power generator, engineered to deliver clean, quiet, and reliable power for demanding applications across rail signaling, emergency services, construction, off-grid environments, and backup scenarios. Dual voltage AC output and multiple DC/USB ports make it a smart alternative to diesel-powered generators.

Specifications

Feature	Details
Rated Output Power	6000W
Peak Output Power	6000W
Battery Type	LiFePO ₄ (Lithium Iron Phosphate)
Battery Capacity	3600Wh
Cycle Life	≥3000 cycles (at 80% Depth of Discharge)
AC Output	AC110V & AC240V, 50Hz/60Hz, Pure Sine Wave
DC Output	DC12V, QC 3.0 (4x USB), PD 3.0 (2x Type-C, 100W max total)
Input Charging Options	12V–60V, 500W Max MPPT (Mains / Solar / Vehicle)
Operating Temp Range	-10°C to +45°C
Size (LxWxH)	660 × 405 × 525 mm
Net Weight	49 kg
Packaging	1 unit per carton

Key Features

- Dual Voltage Output: 110V for rail & 240V for general use
- Solar Ready: MPPT input supports solar recharging (up to 500W)
- Multiple Outputs: Power a range of tools, devices, and systems
- Zero Emissions: Silent, clean alternative to diesel generators
- Rugged Design: Built for harsh environments and field use
- Long Cycle Life: >3000 charge cycles with low degradation

Applications

- Rail Signaling & Testing
- Emergency Response & Medical Field Units
- Construction & Worksite Power Tools
- Off-Grid Homes, Cabins & Caravans
- Event Power & Mobile Operations
- Blackout & Disaster Preparedness

Enquiries & Orders

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