

M68PW PRO

LITHIUM IRON PHOSPHATE BATTERY

MOTOMA®

Power into the Future



200Ah
25.6V

Features

- Grade A+ Cells**
Manufactured using the premium quality, fresh LiFePO4 raw materials for top-tier performance.
- High Cycle Efficiency**
More than 6000 Cycles @ DOD 80%, ensuring a cost-effective ownership experience.
- Advanced Touch Screen**
Multi-language colorful touch screen for clear monitoring of battery parameters, with easy control over settings.
- Extended Durability**
Enjoy a longer lifespan with our low-maintenance, stable chemistry batteries.
- Integrated Safety Measures**
Enhanced with a built-in Battery Management System (BMS) to prevent misuse.
- Heat Resilience Engineered for optimal**
Engineered for optimal performance, even in extreme temperatures up to +60°C.
- Superior Safety**
Designed with advanced safety features to guarantee secure usage and storage.

Smart BMS Compatible with multiple inverter brands.



Introduction

The MOTOMA M PRO Series LFP battery is an advanced energy solution designed to deliver a service life of 15 years or more, providing exceptional performance for a wide range of applications. With a lifespan of up to 8000 cycles, it ensures reliable and efficient energy storage for many years.

Equipped with a multi-language and colored touch LCD screen, the M PRO Series allows users to monitor the battery status, access detailed reports, and fully control settings. Its intelligent BMS ensures safety, along with SOC design and a communication protocol compatible with various inverter brands.

Applications

- ◆ Power Generation System (Solar and Wind Power System, etc.)
- ◆ Household Energy Storage System
- ◆ Auto Control System & ATM Machine
- ◆ Electronic Apparatus and Equipment
- ◆ Emergency Light & Emergency Backup
- ◆ Power Supply & Alarm / Security System
- ◆ Communication Power & DC Power
- ◆ Electric Power System (EPS)
- ◆ Uninterruptible Power System (UPS)

Certificates



UN38.3
PASSED

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Technical Parameter

Battery Model	M68PW PRO
Nominal Voltage	25.6V
Capacity	200Ah
Nominal Capacity	5.12kWh
Operating Voltage Range	21.6V~29.2V
Maximum Charging Current	150A
Maximum Discharging Current	150A
Charging Temperature Range	0°C~45°C
Discharging Temperature Range	-20°C~60°C
IP Level	IP20
Cell Cycle Life	6000 Cycles @ DOD 80%
Communication Mode	RS485 / CAN / RS232
Test Condition	25±2°C , 0.5C/0.5C , EOL 70%
Battery Dimensions (LxWxH)	420*610*200 mm
Battery Weight (NW)	52.7 kg

Charge Performance

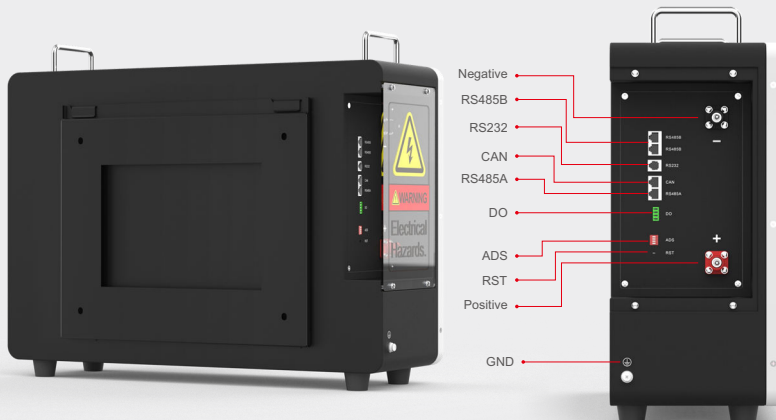
Recommended Charge Current	30A
Maximum Charge Current	150A
Peak Charge Current	160A (1s)
Recommended Charge Voltage	28.8V
BMS Charge Cut-Off Voltage	29.2V (3.65V/Cell)
Reconnect Voltage	27.04V (3.38V/Cell)
Balancing Voltage	27.2V (3.4V/Cell)
Balancing Current	40mA

Discharge Performance

Recommended Discharge Current	30A
Maximum Continuous Discharge Current	150A
Peak Discharge Current	160A (10s)
BMS Discharge Cut-Off Current	200A (500ms)
Recommended Low Voltage Disconnect	24V (3.0V/Cell)
BMS Discharge Cut-Off Voltage	21.6V (2.7V/Cell)
Reconnect Voltage	24.8V (3.1V/Cell)
Short Circuit Protection	250~500us

Packaging

Packaging Type	6 Batteries / UN Wooden Box
Package Dimension (LxWxH)	1268x734x1092 mm
Package Weight (GW)	376 KG



Grade A+ Cells

6000

More Than 6000 Cycles @ DOD 80%



Multi-language colorful touch LCD screen



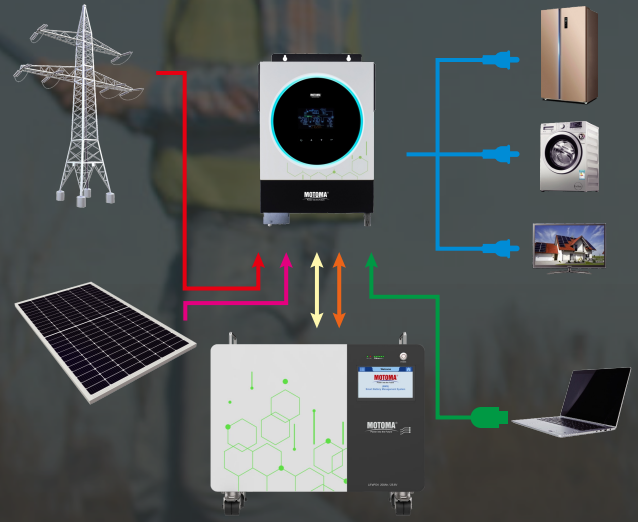
With State of Charge



Support high discharge current up to 150A



Max. 15 pcs batteries in parallel



- AC Input
- PV Input
- Power Cable
- Data Cable
- Com. Cable
- AC Output



Technical Support for Lifetime



7 Years Warranty