



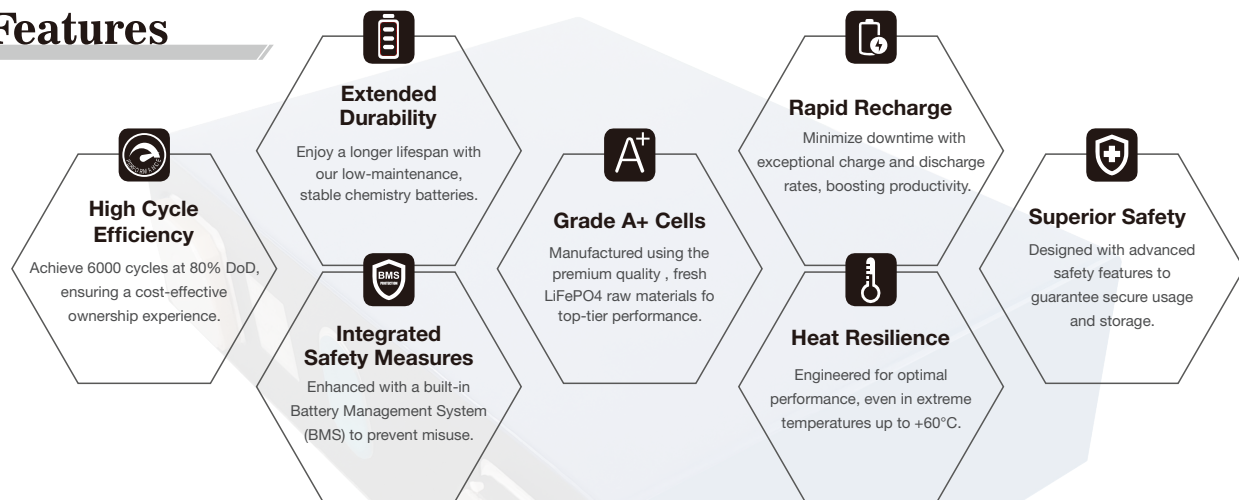
LITHIUM IRON PHOSPHATE BATTERY (LiFePO4) (Wall-Mounted & Standing)

**200A
25.6V**

Introduction

MOTOMA M series LFP battery designed with 15 years or more service life for general purpose, which designed with advanced technology, built in intelligent BMS for more safe, with SOC design and communication protocol to match up with different brand inverters. Also motoma can supply customized upper computer software for BMS communication via RS232 to set parameters or read monitoring data.

Features



Technical Parameter

Battery Model	M68PW
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 (0.5C/0.5C, RT 25°C)	6000Cycles @ DOD 80% / 8000 Cycles @ DOD 50%
Communication Mode	RS485 / CAN / RS232
Battery Dimensions (LxWxH)	442*510*195 mm
Battery Weight (NW)	56.3 kg



+15 Years
Life design.



With State of
Charge design



Support monitoring
via Inverter App



Support high discharge
current up to 150A



Max. 15 pcs batteries
in parallel

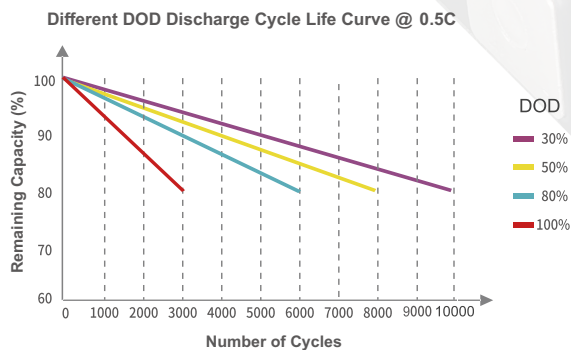
Charge Performance

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	<28.8V (3.6V/Cell)
Balancing Voltage	>27.04V (3.38V/Cell)
Balancing Current	40mA

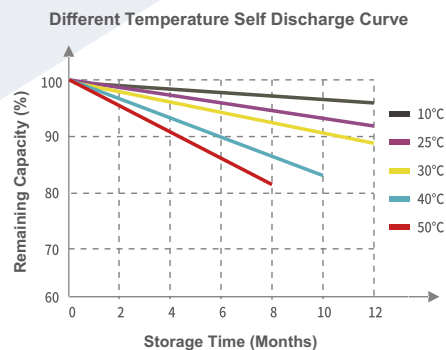
Discharge Performance

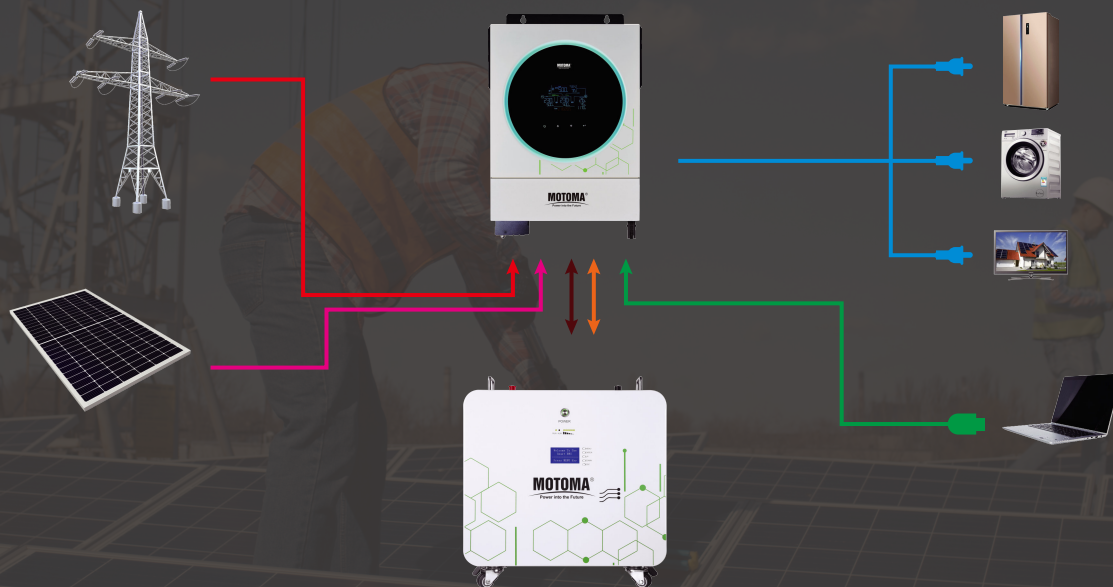
Recommended Discharge Current	30A
Maximum Continuous Discharge Current	150A
Peak Discharge Current	160A (10s)
BMS Discharge Cut-Off Current	200A (500ms)
Recommended Low Voltage Disconnect	24V (3.0V/Cell)
BMS Discharge Cut-Off Voltage	21.6V (1s) (2.7V/Cell)
Reconnect Voltage	<24.8V (3.1V/Cell)
Short Circuit Protection	250~500us

Cycle Life Curve



Self Discharge Characteristics Curve





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

Applications

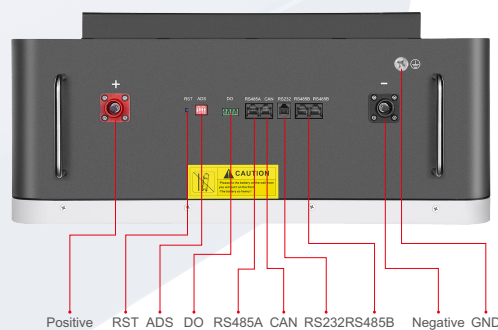
- ◆ Power Generation System (Solar and Wind Power System, etc.)
- ◆ Household Energy Storage System
- ◆ Auto Control System & ATM Machine
- ◆ Electronic Apparatus and Equipment
- ◆ Emergency Light & Emergency Backup
- ◆ Power Supply & Alarm / Security System
- ◆ Communication Power & DC Power
- ◆ Electric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



Packaging

Package Dimension (LxWxH)	UN Wooden Box 788x718x443 mm
Package Weight (GW)	80.1 KG

Certificates



Smart BMS supports communication with different brand of hybrid inverter :



5 Years Warranty

Technical Support for Lifetime