

RW-M6.1



◆ **Safer**

Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-power density. Intelligent BMS, providing complete protection.

◆ **Reliable**

Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.

◆ **Flexible**

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 196kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ **Convenient**

Battery module auto networking, Automatic IP addressing, easy maintenance, remotely monitoring and upgrade, support USB drive upgrade the firmware.

◆ **Eco-Friendly**

Use environmental protection materials, the whole module non-toxic, pollution-free.

◆ **Wall-Mounted**

Flat design, wall-mounted, saving installation space.

Model		RW-M6.1
Main Parameter		
Battery Chemistry	LiFePO4	
Capacity (Ah)	120	
Scalability	Max.32 pcs in Parallel(196kWh)	
Nominal Voltage (V)	51.2	
Operating Voltage(V)	43.2~57.6	
Energy (kWh)	6.14	
Usable Energy (kWh) ^[1]	5.53	
Charge/Discharge Current (A)	Recommend ^[2]	60
	Max. ^[2]	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge	90%	
Dimension (W/H/D, mm)	460*720*143(Depth of 160mm With Hanging Board)	
Weight Approximate(kg)	55	
Master LED Indicator	5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting)	
IP Rating of Enclosure	IP65	
Operating Temperature	Charge:0~55°C / Discharge:-20°C~55°C	
Storage Temperature	0°C~35°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle Life	≥6000(25°C±2°C,0.5C/0.5C,70%EOL)	
Installation	Wall-Mounted, Floor-Mounted	
Communication Port	CAN2.0, RS485	
Warranty Period ^[3]	10 years	
Energy Throughput ^[3]	20MWh@70%EOL	
Certification	UN38.3, UL1973, FCC, IEC62619, CE, CEI 0-21	

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

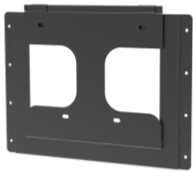
Introduction

This series lithium ion battery is one of new energy storage products developed and produced by Solarker, it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

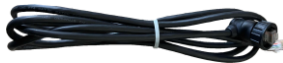
This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life. Multiple batteries can connect in parallel to expand capacity and power in parallel for larger capacity and longer power supporting duration requirements.

Model	Accessories Parts Description	Remark
RW-M6.1-Hboard	Battery Hanging Board (Config Free)	Used for battery fixing on the wall
WT-CCable	Communication Cable (Config Free)	Battery communication cable connect with hybrid inverter
RW-M6.1-PCable	DC Power Cable (Optional)	Battery power cable connect with hybrid inverter
RW-M6.1-BCable	Battery Parallel Cable (Optional)	Battery power and communication parallel connection cable
RW-M6.1-Base	Battery Support Base (Optional)	The Support Base for Battery Floor-mounted



Model: RW-M6.1-Hboard

Details: 3kg(Appr.)



Model: WT-CCable

Details: 3m RJ45 communication cable, one end has a waterproof terminal



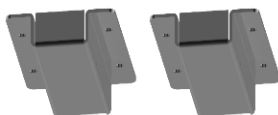
Model: RW-M6.1-PCable

Details: Pair of 4AWG DC power cable connect with hybrid inverter, one end has a waterproof terminal. The cable length can be customized based on customer requirements, default length is 2000mm.



Model: RW-M6.1-BCable

Details: Pair of 4AWG Battery power cable and RJ45 communication cable for battery parallel. The cable length can be customized based on customer requirements, default length is 600mm.



Model: RW-M6.1-Base

Details: Pair of battery support base. The Support Base for Battery Floor-mounted