



Solar Energy Storage System

Build-in Wi-Fi and Bluetooth Lithium Battery
48V100Ah

Key Features

Space Saving

Wall mounted and space saving design.

High Cycle Life:

6000 cycles @80% for effectively lower total of ownership cost.

Long Service Life:

Low maintenance battery with stable chemistry.

Smart Communication:

Smart BMS communication with Leading Solar Hybrid Inverter

Circuit Protection:

Built in protection for Over-Charge, Over-Discharge & Over-Temperature.

Communication Interface:

Touch LCD display with Bluetooth wifi connection and communicate port CAN/RS485/RS323

Fast Charging:

Faster charging and discharging, suitable for Solar system

Extreme Heat Tolerance:

Suitable for use in a wider range of applications where ambient temperature is unusually high up to +60°C.

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.

Model	ARM Power Wifi 51.2V 100Ah - WM
Battery Type	LiFe Po4
Nominal Voltage	51. 2V
Nominal Capacity	100Ah
Energy	5120Wh
Cell Quantity	16 Cells
Communication	Wifi, Bluetooth, RS232, RS485 and CAN port
Resistance	≤35mΩ
Cycle Life	6000 cycles @ 80%
Protection	BMS
IP Degree	IP32
Parallel Communication Quantity	15 Battery
Full Charge Voltage (DC)	58.4V
Full Discharge Voltage (DC)	48V
Charging Passive Current Limit (A)	20A
Max. Charge Current	50A
Max. Discharging Current	100A
Charge Voltage	56.4V
Charge Current	40A
Recommended Charging & Discharging Current	50A
Standard Charge Method	0.5C cc (Constant current) charge, cv (Constant voltage DC) charge till charge current decline to <0.05C
Display	Touch Screen LCD display
Storage Temp. (°C)	0~40°C
Charge Temp. Range	0~45°C
Discharge Temp. Range	-20°C ~ 60°C
Dimension, DxWxH (mm)	602x420x142mm
Net Weight (Kgs)	51

Dimension

