

## 5.12KWH WALL-MOUNTED BATTERY

- **High-end configuration**

High performance BMS with Bluetooth + Wi-Fi module as standard on the board, enabling real-time monitoring of product status anytime, anywhere.

- **High safety**

Brand-new Grade A battery cells for worry-free safety. Ultra high strength shell, Ensuring the safety of core components.

- **High quality**

European standard quality with CE certification.

- **Long life**

≥4500 cycles at 100% DOD and 80% EOL reducing overall costs  
Genuine 5-year warranty, rejecting false claims to ensure hassle-free usage

- **Easy to use**

Compatible with 30+ inverter brands and systems, simplifying installation and maintenance.



# 产品参数 Product Parameter

## DATA SHEET

5.12KWH WALL-MOUNTED BATTERY	
model	BW48A0
<b>Pack data</b>	
Battery Chemistry	LiFePO4
Cell Specifications	100Ah * 3.2V
Capacity	5.12kWh
Nominal capacity	100Ah
Minimum capacity	98Ah
Nominal voltage	51.2V
Discharge cut-off voltage	40V
Charging mode (standard)	Constant Current / Constant Voltage
Standard charging current	100A
Maximum charge current	100A
Charging limiting voltage	58.4±0.40V
Discharge current (standard)	100A
Maximum discharge current	100A
Impedance	≤50mΩ
Factory capacity	50% ~ 75%
Factory voltage	50~52V
Environmental temperature: standard charge	0°C ~ +45°C
Environmental temperature: discharge	-20°C ~ +60°C
Size	428 * 590 * 145±3mm
Weight	45±3Kg
Storage temperature	-30°C ~ +60°C
IP Rating of Enclosure	IP20
Cycle	≥ 6000
Certification	CE-EMC, UN38.3, MSDS
<b>battery cell data</b>	
Nominal capacity	100Ah (0.5C , 25±2°C)

Nominal voltage	3.2V
Charging limiting voltage	3.65V
Charging current	Standard charge: 0.2C/ Fast charging: 0.5C
Standard charging method	0.2C CC (constant flow) charging to 3.65V, and CV (constant voltage of 3.65V) charge until the charging current $\leq 0.02C$
Discharge cut-off voltage	2.5V
Cell resistance	$\leq 0.5m\Omega$
Working temperature	Charging: 0°C ~ +45°C; Discharging: -20°C ~ +60°C
Weight	2.0±0.1kg

### Battery parameter settings on the inverter

Max Charging (Bulk) Voltage	58.4V
Absorption Voltage	56.5V
Float Voltage	56V
Shut Down (cut off) Voltage	48V
Shut Down (cut off) SOC	10%
Restart Voltage	52V
Max Charge Current	100A