Battery series



51.2V100Ah

51.2V 100Ah | 5.12 kWh

HOME BACKUP | OFF-GRID | SMALL COMMERCIAL

1. **LiFePO4 Chemistry**
   Stable chemistry for stationary energy storage.
2. **Integrated Smart BMS**
   Battery monitoring and software protection.
3. **100 A Continuous Output**
   Supports practical residential power demand.
4. **Scalable Storage**
   Supports up to 16 battery units in parallel.
5. **Multi-interface Communication**
   CAN, RS485, RS232, dry contact and Wi-Fi interface.
6. **Long Service Life**
   At least 6,000 cycles.

Parameters

Items	51.2V100Ah
Product	Wall-mounted LiFePO4 Battery
Rated Energy	5.12 kWh / 5,120 Wh
Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Cell Type	LiFePO4
Charging Voltage	58.4 V
Recommended Charging Current	50 A
Maximum Continuous Discharge Current	100 A
Charging Temperature	0°C to 60°C
Discharging Temperature	-20°C to 60°C
Parallel Operation	Up to 16 Units
Maximum Parallel Capacity	51.2 V 1600 Ah / 81.92 kWh
Communication Interface	CAN / RS485 / RS232 / Dry Contact / Wi-Fi Interface
Bluetooth	Optional
Dimensions	435 × 153 × 700 mm
Net Weight	48.5 kg
Cycle Life	≥ 6,000 Cycles

Specifications are subject to confirmation in the final sales contract.