



AI-5000R
Lithium Battery

RESIDENTIAL & BUSINESS BATTERY STORAGE

It carries the load

With 1C technology, Powerich ensures more power when you need it.

5120W

Power



1C

Discharging Rate



6000

Cycles

WARRANTY



AI-5000R Lithium Battery

Residential & Business Battery Storage

Power



5120W

Discharging Rate



1C

Capacity



5.12kWh

Wi-Fi



Smart BMS

BMS FUNCTIONS

- Overvoltage & Undervoltage protection
- Short-circuit protection
- Low & High temperature charge protection
- Low & High temperature discharge protection
- Charge & Discharge over-current protection
- Dormancy function
- RS485, CAN & RS232 communication
- Wifi BMS- AI function

ELECTRIC PARAMETER

Charging modes	CC/CV/CP
Max. Charge Current ¹⁾	80A
Standard Charging Current	50A
Charging cut-off voltage	57.4V
Discharging modes	CC/CP
Discharging cut-off voltage	44.8V
Max. Discharge Current ²⁾	100A
Peak Discharge Current ³⁾	350A(100ms)

BASIC PARAMETER

Rated Voltage	51.2V
Nominal capacity	100Ah 5.12KWh

SIZE

Dimensions	539*482*177mm
Weight	about 46kg

ENVIRONMENT

Humidity	5% to 85% RH, Non-condensing
Operating Temperature	Charge: 0~+50°C/Discharge: -20~+50°
Storage Temperature	-30~+35°C (six months)
Shipment Status	Voltage: 52V-54V, SOC: 50%~60%

CERTIFICATE

1. IEC62619
2. UN38.3

COMPATABILITY

Greenrich, Solis, Deye, Sunsynk, Growatt, Lux Power, Goodwe, East, SMA, Sinexcel, Victron, Voltron, Chisage, Must, SofarSolar, Solarfam, Solax, Megarevo, VoltronicPower, SRNE, Pylon Tech, SAJ, Kehua, Sermatec, etc.

WARRANTY

5 years products warranty, or 6000 Cycles life ⁴⁾

All information contained in this document is subject to change without notice.

1) For better battery life cycles, we suggest that you charge @50A(0.5C @25°C)

2) For better battery life cycles, we suggest that you discharge @ 50A(0.5C @25°C)

3) Peak Current excludes repeated short duration (less than 100ms) of current pattern.

4) 25+/-2°C, 70EOL, 80%DOD, 6000cycles @0.5C