

POWERiCH

**AI-5000W
Lithium Battery**

WALL MOUNTING SYSTEM

It carries the load

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



5120W

Power



1C

Discharging Rate



6000

Cycles

WARRANTY

AI-5000W Lithium Battery

Residential & Commercial 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

BASIC PARAMETER

Rated Voltage	51.2V
Nominal capacity	100Ah 5.12KWh

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%

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

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)

SIZE

Dimensions	402 x 572 x 151mm
Weight	about 47kg

CERTIFICATE

1. IEC62619
2. UN38.3