POWERiCH

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	Discharging Rate	Capacity	Wi-Fi
5120W	**1C**	**5.12kWh**	**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 Cureent	50A
Charging cut-off volage	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

Dimentions	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.

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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

GNW POWER
GREEN A NEW WORLD