



51.2V 200Ah

UL1973

CEC



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, SolaraPower has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, SolaraPower has delivered more than 138+ countries serving 100,000+ users.

✓ Long life and safety

Vertical industry integration ensures more than 8500 cycles with 80% DoD.
Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 163KW with single max module (10.24KWh) at 16pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

Compatible with most of the available Hybrid inverters.

✓ Safety Cert

UL1973, CE-EMC, UN38.3, MSDS

Battery Specifications

Model No

SP-051200A-B-GBP2

Nominal Parameters

Battery Chemistry

LiFePO4

Voltage

51.2V

Operating Voltage

46-56V

Capacity

200Ah

Energy

10.24Kwh

Scalability

Max.16pcs in parallel (162kWh)

Usable Energy

9.22Kwh

Charge/Discharge
Current

Recommend

100A

Max.

150A

Peak(2mins,25°C)

200A

Basic Parameters

Recommend Depth of Discharge

90%

Dimension (W/H/D)

780*550*200mm / 30.7*21.6*7.8 in

Weight Approximate

102.5kgs / 225 lbs

Master LED Indicator

4 LED (SOC:25%~100%)

2 LED (working, alarming, protecting)

IP Rating of Enclosur

IP20

Working Temperature

Charge:0°C ~ 55°C Discharge:-20°C ~ 55°C

Storage Temperature

0°C ~ 35°C

Humidity

5%~95%

Altitude

≤2000m

Cycle Life
(25±2°C,0.5C/0.5C,80%EOL)

≥6500

Installation

Wallmounted

Communication Port

CAN2.0, RS485

Warranty Period

15 years

Life Cycle Power During Warranty Period

44.84MWh@80% EOL

Certification

UL1973, UL9540A CE-EMC, UN38.3, MSDS