



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 6500 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 163.84KW 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

IEC62619, CE-EMC, UN38.3, MSDS

Battery Specifications

Model No

SP-10000U

Nominal Parameters

Battery Chemistry

LiFePO4

Voltage

51.2V

Capacity

200Ah

Energy

10.24Kwh

Operating Voltage

46-56V

Max. Charge Voltage

56Vdc

Max. Charge Current

100A (5120W)

Max. Discharge Current

150A (7680W)

Basic Parameters

Warranty Period [3]

10 years

Dimension (W/H/D)

685*435*231mm

Weight Approximate

100.5kgs

Master LED Indicator

4 LED (SOC:25%~100%)

2 LED (working, alarming, protecting)

IP Rating of Enclosure

IP50 (Indoor use)

Storage Time/ Temperature

5months@25°C;3months@35°C;1month@45°C

Working Temperature

-20°C to 60°C @60+/-25% Relative Humidity

Storage Temperature

0°C to 45°C @60+/-25% Relative Humidity

Humidity

5%~95%

Altitude

≤2000m

Cycle Life

≥6500

(25±2°C,0.5C/0.5C,80%EOL)

Certification

IEC62619, CE-EMC, UN38.3, MSDS

