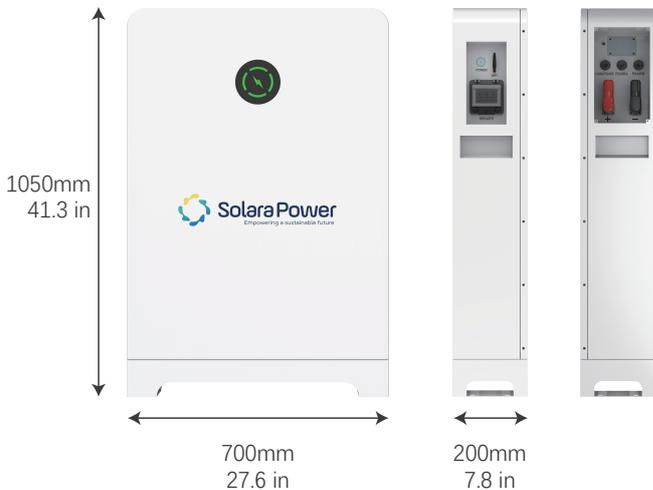




**IP65**  
**51.2V 280Ah**  
**14.34kWh**



### ✓ 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 229KW with single max module (14.34KWh) 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, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS

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.

## Battery Specifications

Model No

SP-051280A-B-GBP2F

### Nominal Parameters

Battery Chemistry

LiFePO4

Voltage

51.2V

Operating Voltage

46-56V

Capacity

280Ah

Energy

14.34Kwh

Scalability

Max.16pcs in parallel (229kWh)

Recomend Discharge Energy ( 80% DOD)

13.10Kwh

 Charge/Discharge  
Current

Recommend

100A

Max.

150A

Peak(2mins,25°C)

200A

### Basic Parameters

Recommend Depth of Discharge

90%

Dimension (W/H/D)

700\*1050\*200mm / 27.6\*41.3\*7.9 in

Weight Approximate

128.5kgs / 283 lbs

Master LED Indicator

4 LED (SOC:25%~100%)

2 LED (working, alarming, protecting)

IP Rating of Enclosure

IP65

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)

≥8500

Installation

Ground/Outdoor

Communication Port

CAN2.0, RS485, WiFi

Warranty Period

15 years

Certification

 UL1973, UL9540A, UL9540  
 CB-IEC62619, CE-EMC, UN38.3, MSDS