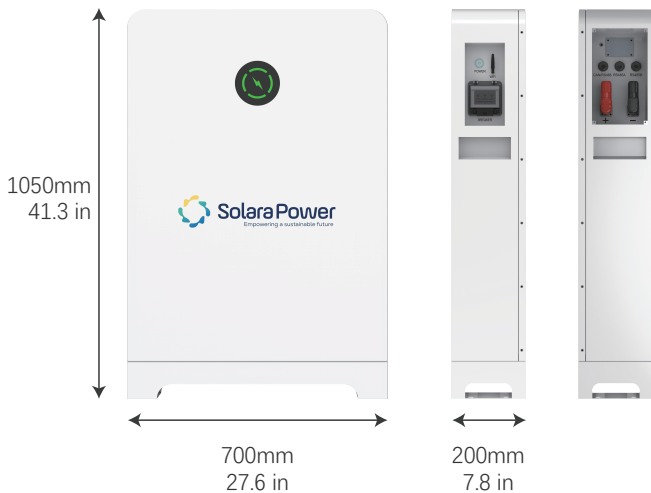
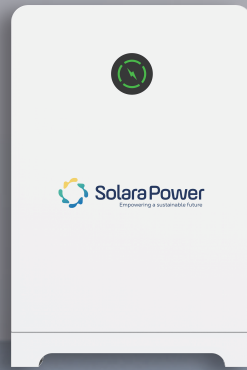




IP65
51.2V 280Ah
14.34kWh



✓ 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-GBP2

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 Enclosur	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 [3]	15 years
Certification	UL1973, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS