Solara Power

Empowering a sustainable future

51.2V 280Ah

900mm
35.4 in

200mm
7.8 in

675mm
25.6 in

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 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.

✔ Compatiblity

Compatible with most of the available Hybrid inverters.

✔ Safety Cert

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

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)
Usable Energy		12.91Kwh
Charge/Discharge Current	Recommend	100A
	Max.	150A
	Peak(2mins,25℃)	200A
Basic Parameters		
Recommend Depth of Discharge		80%
Dimension (W/H/D)		900*675*200mm / 35.4*26.6*7.8 in
Weight Approximate		128.5kgs / 283 lbs
Master LED Indicator		4 LED (SOC:25%~100%)
		2 LED (working, alarming, protecting)
IP Rating of Enclosure		IP20 / (IP65 Option)
Working Temperature		Charge:0℃ ~ 55℃ Discharge:-20℃ ~ 55℃
Storage Temperature		0℃ ~ 35℃
Humidity		5%~95%
Altitude		≤2000m
Cycle Life (25±2℃,0.5C/0.5C,80%EOL)		≥8500
Installation		Wallmounted
Communication Port		CAN2.0, RS485
Warranty Period		15 years
Life Cycle Power During Warranty Period		64.80MWh@80% EOL
Certification		UL1973, UL9540A, UL9540, CB-IEC62619, CE-EMC, UN38.3, MSDS