

LITHIUM IRON PHOSPHATE BATTERY

May the power be with you



SINOPACIFIC Africa

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LITHIUM IRON PHOSPHATE BATTERY SPA LiFePO4 Series (CATL & EVE CELL)

Specifications

MODEL		SPA 256	SPA 512	SPB 256	SPB 512	
LiFePO4 Battery	Nominal voltage	25.6V	51.2V	25.6V	51.2V	
	Nominal Capacity	162Ah		163Ah		
	Nominal energy	4147.2Wh	5120Wh	4172.8Wh	8345.6Wh	
	Life Cycles	≥5000 (80% DoD, 25 °C for effectively lower total of ownership cost)				
	Recommended Charge Voltage	29.2V	58.4V	29.2V	58.4V	
	Recommended Charge Current	0.2C(32.4A)		0.2C(32.6A)		
	End of discharge voltage	22.0V	44.0V	22.0V	44.0V	
	Standard method	Charge	32.4A	32.4A	32.6A	32.6A
		Discharge	81A	81A	81.5A	81.5A
	Maximum continuous current	Charge	162.0A	100A	163.0A	163.0A
		Discharge	162.0A	100A	163.0A	163.0A
	BMS Cut-OFF Voltage	Charge	<29.2V (3.65V/Cell)	<58.4V (3.65V/Cell)	<29.2V (3.65V/Cell)	<58.4V (3.65V/Cell)
		Discharge	>16.0V (2s) (2.0V/Cell)	>32.0V (2s) (2.0V/Cell)	>16.0V (2s) (2.0V/Cell)	>32.0V (2s) (2.0V/Cell)
	Temperature	Charge	-4 ~ 113 °F (0 ~ 45 °C)			
		Discharge	-4 ~ 131 °F (-20 ~ 55 °C)			
	Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)				
Shipment voltage	≥25.6V	≥51.2V	≥25.6V	≥51.2V		
Communication	CAN2.0/RS232/RS485					
Case Material	SPPC					
Dimension (L x W x H)	/	/	/	/		
Approx. Weight	/	/	/	/		
Charge retention and capacity recovery capability	Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90					

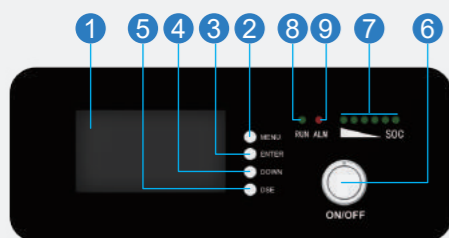
The technical specifications of this document are subject to change without any notice

SPA LiFePO4 Series

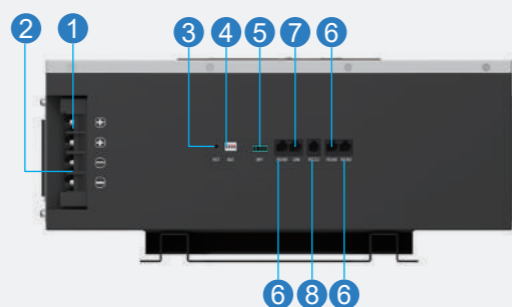
Sinopacific SPA LiFePO4 wall mounted Lithium battery is with a ground-breaking CATL & EVE LiFePO4 battery packsolutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation.

* Custom capacity is acceptable.

Pic of Input & Output Port



- LCD display
- Menu buttons
- Enter buttons
- Down buttons
- DES buttons
- Switch on/off
- SOC indicator
- RUN indicator
- Alarm indicator



- BAT+
- BAT-
- RST port
- ADS switch
- DRY port
- RS485 communication port
- CAN port
- RS232 communication port



High cycle life
≥5000 cycles @80% DoD, 25 °C for effectively lower total of ownership cost.



Quickly recharge
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Longer service life
Low maintenance batteries with stable chemistry.



Extreme heat tolerance
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Built in circuit protection
Battery Management System (BMS) is incorporated against abuse.



Lightweight
Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Better storage
Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Function
Support parallel operation.

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