

Smart String Energy Storage System

LiFePO₄ Lithium Battery



Strong Expansibility

Support 16 modules in parallel



Meticulous Care

Each module can be independently managed and operated to ensure the safety of the system



Easy Management

Pulley bottom, manual switch, and visual supervision interface



Stronger Compatibility

Cover all mainstream protocols and match most mainstream inverters 1C discharge



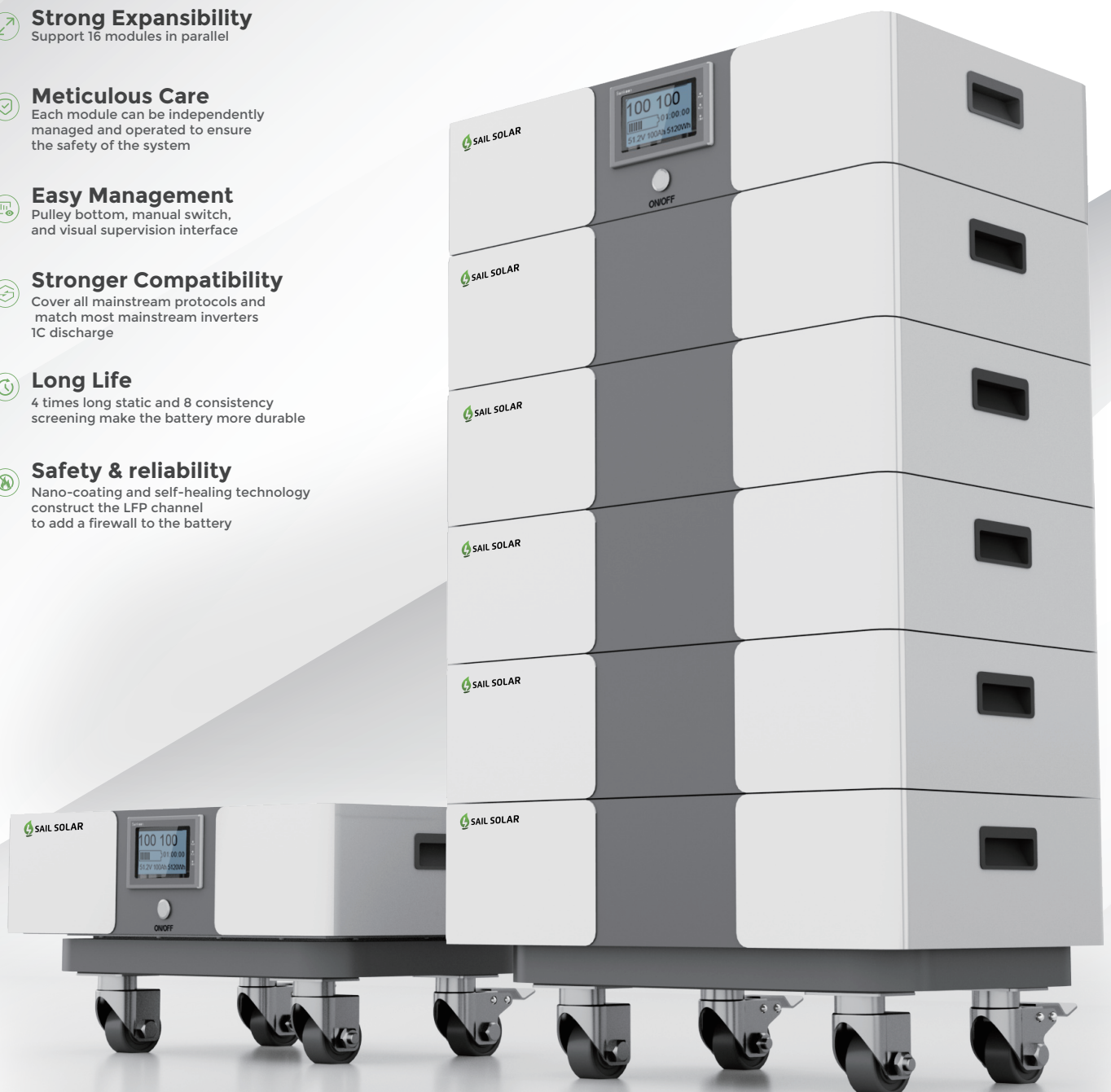
Long Life

4 times long static and 8 consistency screening make the battery more durable

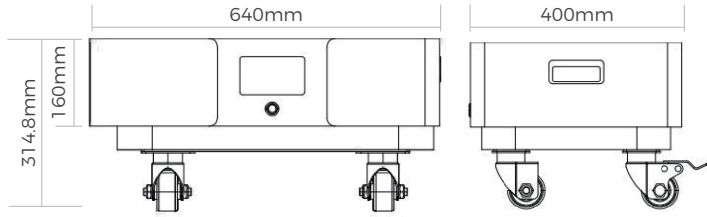


Safety & reliability

Nano-coating and self-healing technology construct the LFP channel to add a firewall to the battery



Outer Dimensions



Specifications

Nominal voltage		51.2V
Nominal capacity		100Ah
Dimensions	Length	640±2mm (23.84inch)
	Width	400±2mm (14.9inch)
	Height	160±2mm (5.96inch)
	Total height	314±2mm (11.69inch)
Approx. weight	Battery	52kg (114.64lbs)±2kg
	Controller	20kg (44.09lbs)±2kg

• Approx. weight of wooden package : 14kg/PCS

Specifications

Electrical Parameters (25°C)	Rated Voltage	51.2V	102.4V	153.6V	204.8V	256V	307.2V
	Rated Capacity (C _s)	100Ah@25°C	100Ah@25°C	100Ah@25°C	100Ah@25°C	100Ah@25°C	100Ah@25°C
	Energy	5120Wh	10240Wh	15360Wh	20480Wh	25600Wh	30720Wh
	Months Self Discharge	<3%	<3%	<3%	<3%	<3%	<3%
	Charge Efficiency	99.5%@ 0.2C	99.5%@ 0.2C	99.5%@ 0.2C	99.5%@ 0.2C	99.5%@ 0.2C	99.5%@ 0.2C
	Discharge Efficiency	96-99%@ 1C	96-99%@ 1C	96-99%@ 1C	96-99%@ 1C	96-99%@ 1C	96-99%@ 1C
	Terminal Diameter	M8	M8	M8	M8	M8	M8
Internal resistance (Fully charged, 25°C)		≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ
Cycle life		6000 cycles @ 0.2C 80%D.O.D					
Capacity affected by temperature	40°C	101%					
	25°C	100%					
	0°C	90%					
	-10°C	75%					
Nominal operating temperature		25°C± 3°C (77°F± 5°F)					
Operating temperature range	Discharge	- 20°C- 60°C (-4°F ~ 140°F)					
	Charge	0°C- 45°C (32°F ~ 113°F)					
	Storage	0°C- 40°C (32°F ~ 104°F)					
Water Dust Resistance		IP50					
Charge Voltage		56.8V					
Standard Charge Mode (25°C±2°C, <75%RH)		0.2C A Constant Current to 57V, then Constant Voltage 57V , until the current drops to 0.02CA, before use, rest 30 minutes					
Charge Current		20A	20A	20A	20A	20A	20A
Maximum Charge Current		50A	50A	50A	50A	50A	50A
Charge Cut off Voltage		Nominal operating temperature					
Continuous Discharge Current		100A	100A	100A	100A	100A	100A
Maximum Pulse Current		200A (<1S)	200A (<1S)	200A (<1S)	200A (<1S)	200A (<1S)	200A (<1S)
Discharge Cut Off Voltage		44.8V					
Communicate Protocol (optional)		RS485/RS232/CAN					
SOC (optional)		Screen/LED/PC Software					
Application connection		1 string 1 parallel					
Mechanical		Cells		16 Strings			

Compatibility Inverters



*Only a part of compatibility Inverters are shown, please contact us for more information.