

# 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

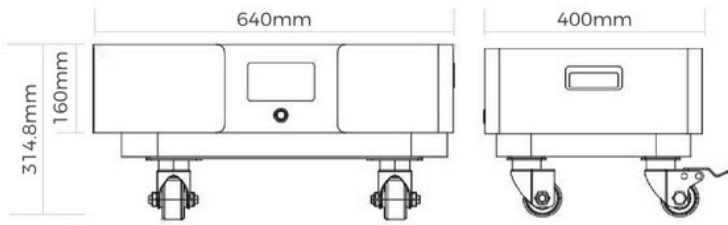
4 times long static and 8 consistency screening make the battery more durable

## 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		52kg (114.64lbs)±2kg

\* Approx. weight of wooden package : 14kg/PCS

## Specifications

Electrical Parameters (25°C)	Rated Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
	Rated Capacity (C <sub>5</sub> )	100Ah@25°C	200Ah@25°C	300Ah@25°C	400Ah@25°C	500Ah@25°C	600Ah@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 100%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		50A	100A	150A	200A	250A	300A
Charge Cut off Voltage		Nominal operating temperature					
Continuous Discharge Current		50A	80A	120A	160A	200A	240A
Maximum Pulse Current		150A (<1S)	320A (<1S)	480A (<1S)	640A (<1S)	800A (<1S)	960A (<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 Inverter



\*Only a part of inverter brands are shown, please contact us for more information.

# Battery ADD

