

Home Energy Storage System

HOME ESS

2.56/5.12/10.2/15.36KWH



Solar Power



PC



TV



Fridge



Electric fan



DVD



AC



Radio



Modular stack design

Flexible power usage allocation, easy to expand capacity.



Built-in BMS

Safeguard for battery, easy to maintenance.



Stable design

Load bearing design for stable placement

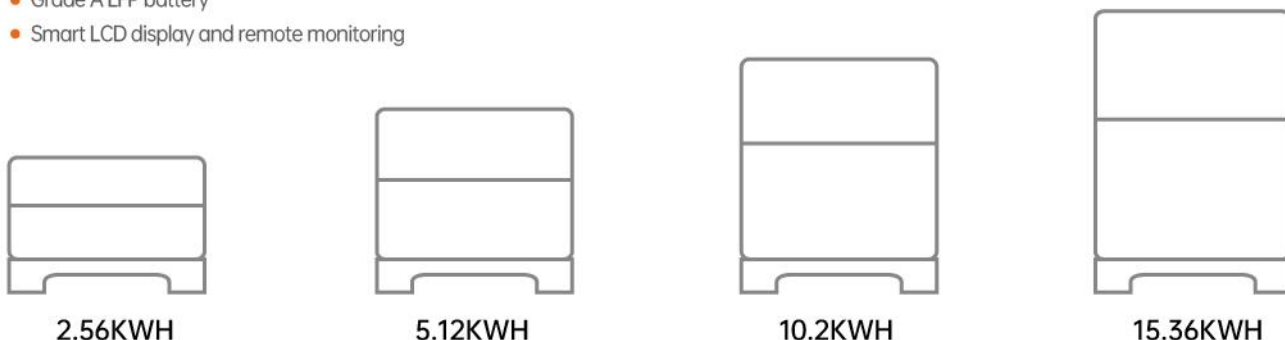


Easy to use

Intelligent user interface, internal plug and play, barrier-free operation.

ALL IN ONE - BATTERY WITH INVERTER

- Integrated hybrid solar inverter with 100A MPPT
- Grade A LFP battery
- Smart LCD display and remote monitoring



Performance parameters

	2.56KWH	5.12KWH	10.2KWH	15.36KWH
Capacity	2.56KWH	5.12KWH	10.2KWH	15.36KWH
Output power	3500W	5500W	5500W	5500W
Rated voltage	25.6V	51.2V	51.2V	51.2V
Rated capacity	100AH	100AH	200AH	300AH
Continuous discharge current	136A	120A	120A	120A
Maximum peak discharge current	150A/10S	132A/10S	132A/10S	132A/10S
Standard charging current	60A	60A		
Fast charging current	100A	100A		
Expandable battery quantity	1-2	1~3		
Optional capacity range	2.56kwh	5.12kwh	10.24kwh	15.36kwh
MPPT voltage range	3500w	5500w		
Battery voltage range	23-30VDC+/-0.6VDC	46-60VDC+/-0.6VDC		
(undervoltage alarm/shutdown voltage/overvoltage alarm/overvoltage recovery. can be set on the LCD screen)				
Cooling-down method	Air-cooled			
Battery type	LiFePO4			
Battery life	>15 year@25°C			
Cycle life	6000 times (25+2°C, 0.5°Cdischarge)			
Rated grid frequency	50HZ/60HZ (automatic detection)			
Grid voltage range	230/176-270V			
Maximum PV input power	120-450VDC			
The charge/discharge efficiency	>93.5%			

Mechanical parameters

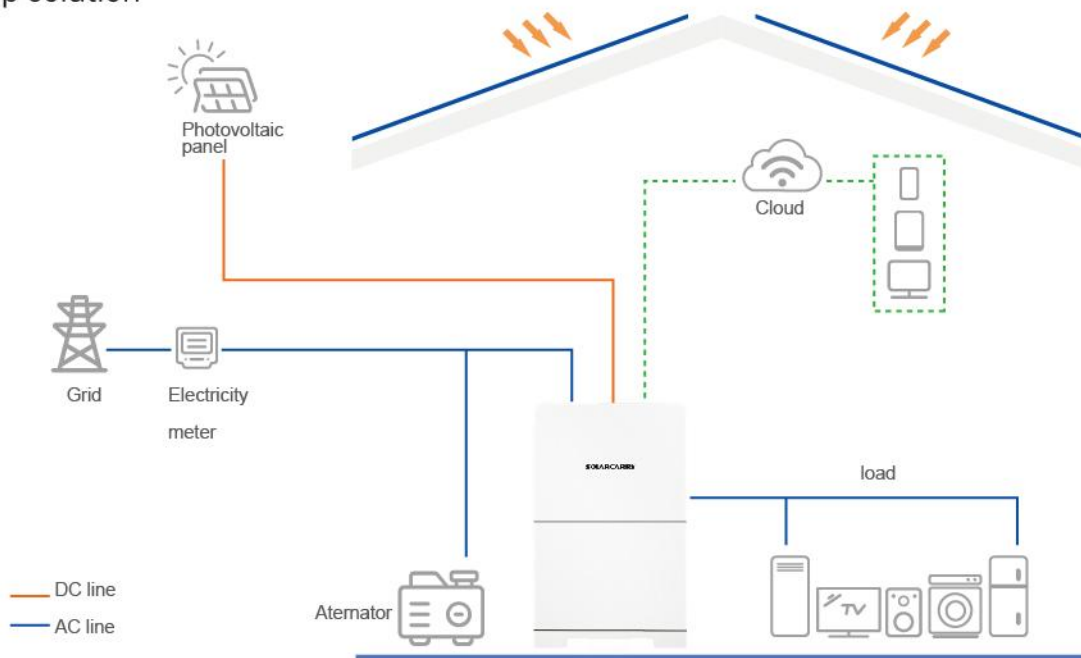
Inverter Dimensions / Weight	360*490*163mm/15KG			
Battery size/weight	320*490*163mm/35KG(each layer)	320*490*163mm55KG(each layer)		
Chassis size / weight	730*490*163/50KG	730*490*163/70KG		customizable
Installation method	Modular			

Enviromental parameters

Storage humidity	≤85%RH
Operating temperature	-5°C-55°C
Recommended Operating temperature	25°C
IP Class	IP21

Usage scenarios

Off-grid backup solution



Product mix

