

Home Battery Storage

5.12 kWh - 51.2 kWh



Charging Today. Powering Tomorrow.

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1. Product Introduction

Home Battery Storage

Home Battery Storage is a low-voltage energy storage solution designed specifically for residential applications. Built with reliable lithium iron phosphate (LFP) technology, it delivers enhanced safety, long cycle life, and consistent performance.

With scalable capacity ranging from 5.12 kWh to 51.2 kWh, it seamlessly adapts to self-consumption and backup power scenarios—providing homeowners with flexible, dependable energy storage for everyday living.



Floor



Wall Mount



Mobile



2. Key Feature



Automatic Self-heating

-20°C to 60°C operating temperature (optional)



High Efficiency

Optimized system design minimizes energy loss and improves overall performance



Easy Installation

Support Wall-Mounted, Floor-Mounted – Flexible installation options with high space utilization



Long Cycle Life

LFP cells, 6000+ cycles



Fast Charge/Discharge

Maximum discharge current:200A, simultaneously supplying power to multiple loads



Strong Compatibility

Compatible with a wide range of mainstream and hybrid inverters

3. Specifications

Item	THS5		THS10		THS15					
Nominal Voltage	48V	51.2V	48V	51.2V	48V	51.2V	48V	51.2V	48V	51.2V
Nominal Capacity	100Ah		200Ah		280Ah		306Ah		314Ah	
Energy (kWh)	4.8	5.12	9.6	10.24	13.44	14.33	14.68	15.66	15.07	16.07
Weight (kg)	45.5	47.5	90.5	92.5	120	130.5	120	130.5	120	130.5
Dimensions (mm)	580*440*160		775*550*165		740*500*250		740*500*250		740*500*250	
Max. Operating Current	100A		200A							
Cycle Life	6000 cycles (80% DOD, 25°C)						8000 cycles (80% DOD, 25°C)			
Design Life	≥10 years									
Charging Voltage	54.0V(15S1P) / 57.6V(16S1P)									
Discharge Cut-off Voltage	40.5V(15S1P) / 43.2V(16S1P)									
Charging Temperature Range	0°C~60°C (Operation below 0°C will affect battery capacity)									
Discharge Temperature Range	-20°C~60°C (Operation below 0°C will affect battery capacity)									
Storage Environment	0°C~45°C @ 60%±25% humidity									
Communication	RS232-PC, RS485(B)-PC RS485(A)-Inverter, Canbus-Inverter									
Certifications	CE, UN38.3, MSDS, UL1973(Cell), IEC62619(Cell)									