



## 51.2V 100Ah 5.12kWh 600Ah 30.72kWh Wall-mounted Power Solar Lithium Battery Storage for Home Emergency Camping RV

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: HNYK
- Certification: CE UN38.3 UL
- Model Number: Great Wall ESS
- Minimum Order Quantity: 6 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



Great Wall Series — Residential ESS

#### Product Specification

- Rated Energy: 5.12kWh/10.24kWh/15.36kWh/30.72kWh
- Rated Capacity: 100Ah/200Ah/300Ah/600Ah
- Maximum Charge Current: 50A
- Maximum Discharge Current: 100A
- Cycle Life:  $\geq 6000$  Times @25°C 0.5C
- Communication Protocol: CAN/RS485
- Highlight: **Wall Mounted Lithium Battery Storage, 30.72kWh Home Lithium Battery, Power Solar Lithium Battery Storage**



Great Wall Series — Residential ESS

## Product Description

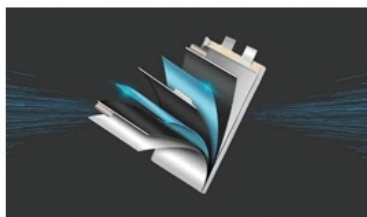
### 51.2V 100Ah 5.12kWh 600Ah 30.72kWh Wall-mounted Power Solar Storage Lithium Battery Storage for Home Use, Emergency, Camping, RV

#### Great Wall Home Energy Storage System Overview

Our home energy storage systems are designed to provide reliable and efficient power solutions for residential applications. These systems are ideal for homeowners looking to enhance energy independence, reduce electricity bills, and maintain a stable power supply during grid outages.

Model	Great Wall 05	Great Wall 10	.....	Great Wall30
Configuration	2P16S	2P16S:2pcs	.....	2P16S:6pcs
Size	600*900*220mm	600*1200*220mm	.....	600*2400*220mm
Weight	67kg	109kg	.....	277kg
Nominal voltage	51.2V			
Voltage range	40-58.4V			
Rated capacity	100Ah	200Ah	.....	600Ah
Rated energy	5.12kWh	10.24kWh	.....	30.72kWh
Maximum charge current	50A			
Maximum discharge current	100A			
Depth of discharge	90%			
Communication protocol	CAN/RS485			
Cycle life	≥6000 times @25°C 0.5C			
Operating temperature range	Charge:0-55°C;Discharge:-10-35°C			

#### High energy density LFP material



- **High energy density :**

Material pole pieces compacted density can reach to 2.75g/cc

- **High capacity :**

Gram capacity above than 145mAh/g

- **Long cycle life :**

The cycle life above than 10000 times



#### Key Applications:

##### Residential Backup Power:

Ensure uninterrupted power supply during outages.

##### Energy Cost Optimization:

Store excess solar energy for later use, reducing reliance on the grid.

##### Environmentally Friendly Homes:

Enhance energy efficiency and reduce carbon footprints with renewable energy integration.

#### **Product Advantages:**

##### **Safe and Reliable:**

Built with LiFePO4 square shell cells, offering multiple hardware-level protections for enhanced safety.

##### **Long Lifespan:**

Achieves over 6,000 charge-discharge cycles with a service life exceeding 15 years.

##### **Intelligent Battery Management (iBMS):**

Features self-diagnosis capabilities and redundant design for superior performance.

##### **Flexible and Scalable:**

Modular design supports capacities up to 30kWh, enabling parallel connections of 1 to 6 batteries.

##### **Ease of Installation:**

Space-saving wall-mounted design suitable for residential setups.

##### **Broad Compatibility:**

Works seamlessly with single-phase and three-phase inverters, supporting CAN/RS485 communication protocols.

##### **Strong Environmental Adaptability:**

Operates efficiently in a wide temperature range (-10°C to 55°C) with IP65 protection.

#### **Model Highlights:**

##### **Great Wall 05:**

Compact (5.12kWh), suitable for small households.

##### **Great Wall 10:**

Medium capacity (10.24kWh), ideal for medium-sized homes.

##### **Great Wall 30:**

High capacity (30.72kWh), designed for large-scale residential or small commercial setups.

#### **Shipping Methods**

Supports global air and sea shipping

If you require more detailed product information or have customized requests, please contact us. Providing efficient service that satisfies our customers is our responsibility.



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