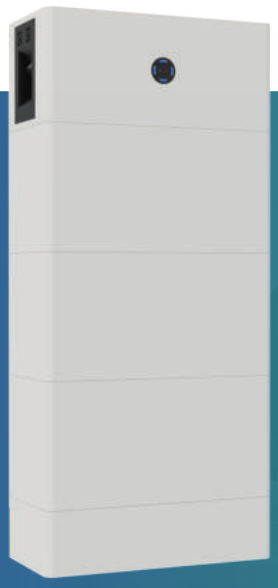
LITHIUMVALLEY



Residential LFP Battery Series

HS5-5A **102.4V 50Ah 5.12kWh**

Version: V1.0







The HS5-5A features a more compact and lightweight module design with a plug-and-stack installation method. Simple and quick assembly allows for flexible customization of battery banks to meet diverse energy storage needs. Equipped with an intelligent BMS, it continuously monitors and optimizes battery performance to extend service life, and supports remote management via a mobile app so you can stay informed of household energy status at all times. Comprehensive protections against over-charge, over-discharge, short circuit, and extreme temperatures ensure safe operation in all scenarios—making it a reliable choice for residential energy security.

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Product Advantages

Multi - scenario Application

- Stackable design; the battery also has mobile energy storage functionality
- with an IP65 protection rating, suitable for various weather conditions

Safety and Longevity

- A + grade lithium iron phosphate battery
- built - in thermal aerosol fire extinguishing device

Remote System Upgrades

- OTimely repair of system vulnerabilities, performance improve-ment25.6 kWh per cluster
- and addition of new functions to enhance device safety and stability

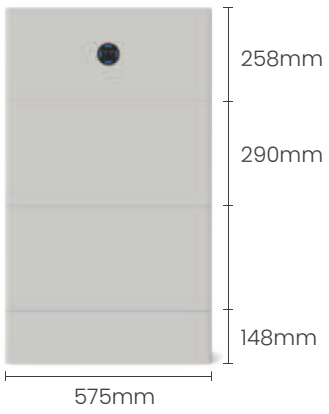
Flexible Scalability

- One cluster can connect 5 batteries in series, with a maximum capacity of 25.6 kWh per cluster; up to 4 clusters can be connected in parallel, with a maximum parallel capacity of 102.4 kWh

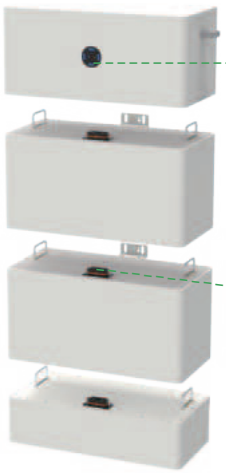
Certifications

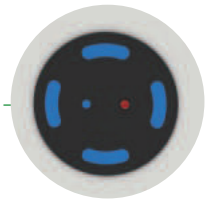
- IEC/EN 62619, IEC 61000, UN 38.3,MSDS

Dimensions









Display screen



Quick - connect plug

Technical Parameters	HS5-5A			
Layers	2Layer	3Layer	4Layer	5Layer
Picture				
Power Capacity	10.24KWh	15.36KWh	20.48KWh	25.6KWh
Operating Voltage Range	179.2-233.6V	268.8-350.4V	358.4-467.2V	448-584V
Dimensions (L*W*H)	75*275*986mm	575*275*1276mm	575*275*1566mm	575*275*1856mm
Weight	94.5kg	129.5kg	164 5kg	199.5kg

Single Module Technical Parameters	
Dimensions (L* W* H)	High voltage box:575*275*258mm, Battery: 575*275*290mm, Base:575*275*148mm
Weight	High voltage box: 16 kg, Battery: 35 kg, Base: 8.5 kg
Rated Voltage	102.4V
Rated Capacity	50Ah
Power Capacity	5.12KWh
Recommended Charging Current	25A
Maximum Continuous Charging Current	50A
Maximum Continuous Discharging Current	50A
Charging Temperature	0-45℃
Discharging Temperature	-20-55℃
Operating Environment	Indoor or under outdoor eaves
Altitude	3000m
Relative Humidity	5%～95%
Cooling Method	Natural cooling
Cell	Lithium-Iron Phosphate ($LiFePO_4$)
IP Rating	IP65
Cycle Life	6000 times @70%DOD(25℃)
Communication Interfaces	CAN/RS485
Extended Functions	Single - pack thermal aerosol fire extinguishing device (standard); Heating function (optional)
Certifications	IEC/EN 62619、IEC 61000、UN 38.3、MSDS

*There may be slight differences between the actual product and some promotional videos or images; please refer to the actual product. Unless otherwise specified, all data on this page are from our laboratory, and errors may exist due to changes in objective conditions.
*Specifications are subject to change without prior notice.

LITHIUMVALLEY

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