

# HS50B

## High Voltage Residential Energy Storage



10.24KWH~20.48KWH  
Capacity



IP65  
IP Protection



6000 TIMES  
Cycle Life



-20°C  
Low Working Temperature



### High Security

LiFePO4 battery cell & self-developed  
BMS to ensure higher protection degree



### Smart Screen

Visible working status  
at a glance



### Easy Installation

Modular design,  
plug and play

# HS50B



Model	HS5010	HS5012	HS5015	HS5017	HS5020
<b>Battery</b>					
Battery Type	LFP				
Usable Capacity	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh
Nominal Voltage	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage Range	179.2~230.4V	224~288V	268.8~345.6V	313.6~403.2V	358.4~460.8V
Rated. Charging / Discharging Current	25A				
Max. Charging / Discharging Current	50A				
Depth of Discharge (DoD)	90%				
Cycle Life	6000 Times <sup>1</sup>				
<b>Communication</b>					
Module Connection	4 in Series	5 in Series	6 in Series	7 in Series	8 in Series
Communication	CAN, RS485				
<b>General Specification</b>					
Dimension (W*D*H) (mm)	580*400*800	580*400*950	580*400*1100	580*400*1250	580*400*1400
Weight	134±0.5kg	162±0.5kg	190±0.5kg	218±0.5kg	246±0.5kg
IP Protection	IP65				
Installation	Floor Stand				
Scalability	Support 4~8 packs in parallel with capacity expanded up to 20.48kWh				
Operating Temperature	Charging: 0°C ~ 55°C; Discharging: -20°C ~ 55°C <sup>2</sup>				
Storage Temperature	-20°C ~ 55°C				
Cooling	Natural Convection				
Relative Humidity	5%~95% RH				
Max. Operating Altitude	2000m				
Compatible Inverters	Adapt to the mainstream brand inverter in the market				
AI Platform	Cloud (Web), App (Mobile)				
<b>Standard Compliance</b>					
Transport Testing Requirement	UN38.3				
Safety	IEC62619, IEC60730, IEC62477				
EMC	CE-EMC EN 61000-6-1 / -3				

\*1 @25°C, 0.5C Operating, 90% DoD

\*2 Working temperature can be low to -20°C

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