

# HIGH VOLTAGE BATTERY

**5kWh, 10kWh, 15kWh,  
20kWh, 25kWh,  
30kWh, 40kWh, 50kWh**



## **SAFETY & RELIABLE**

- A+ grade cells with automotive-grade standard
- Smoke detection, active pressure relief
- IP65, C4 salt spray resistance

## **CONVENIENT & USER-FRIENDLY**

- Flat design for easy integration
- Quick-plug interface for simple installation
- Stackable design for 5-50kWh capacity flexibility

## **EFFICIENT & DURABLE**

- 32A fast charging/discharging support
- LiFePO4 cells with 6000+ charge/discharge cycles
- Optional PV module pre-heating for broad applications

## **SMART & MANAGEABLE**

- Automotive-grade BMS for efficient energy management
- Scenario-based app with real-time energy monitoring
- AI-powered cloud with 24/7 alerts and optimization

# Technical Specifications

5kWh,10kWh,15kWh,20kWh,25kWh

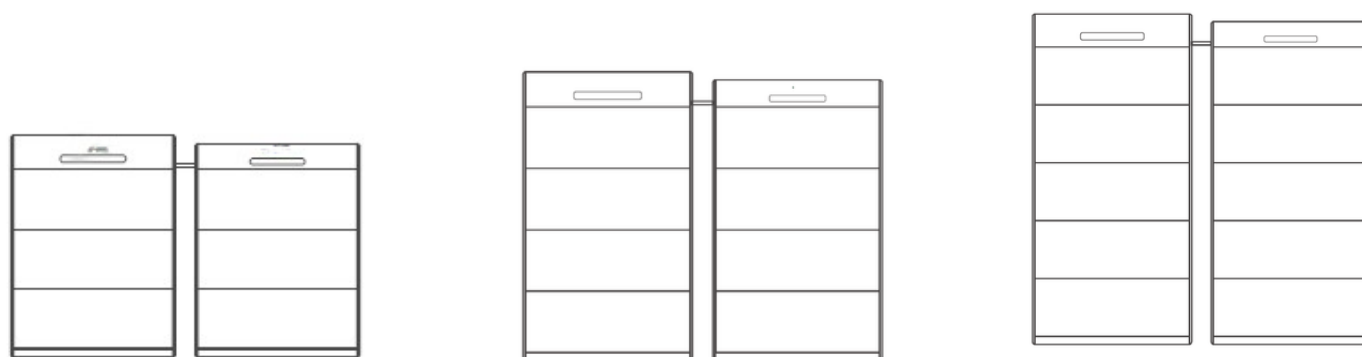


Model Number	HV50	HV100	HV150	HV200	HV250
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
<b>Usable Capacity</b>	<b>5kWh</b>	<b>10kWh</b>	<b>15kWh</b>	<b>20kWh</b>	<b>25kWh</b>
Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512V
<b>Working Voltage</b>	<b>86.4-115.2V</b>	<b>172.8-230.4V</b>	<b>259.2-345.6V</b>	<b>345.6-460.8V</b>	<b>432-576V</b>
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW	15.0kW
<b>DOD</b>	<b>95%</b>				
Cell Type	LiFePO4				
<b>Max. Charging/ Discharging Current</b>	<b>32A</b>				
SOC indicator	4*LED (25%,50%,75%,100%)				
<b>State Indicator</b>	<b>2*LED ( work,alarm)</b>				
Communication	CAN, RS485				
<b>Working Temperature</b>	<b>-10 to +50°C</b>				
Ingress Protection Rating	IP65 (PACK IP67)				
<b>Working Humidity</b>	<b>5 - 95% RH</b>				
Working Altitude	<4,000m				
<b>Calendar Life</b>	<b>&gt;6,000 (70%EOL)</b>				
Dimensions ( W*H*D)	700*600*200 mm	700*950*200 mm	700*1300*200 mm	700*1650*200 mm	700*2,000*200 mm
<b>Net Weight</b>	<b>BDU (9kg)*1+PACK (44kg)*N+base (5.6kg)*1</b>				
Alarms	Over charge / Over discharge / Over current / Over temperature / Short circuit				
<b>Warranty</b>	<b>10 years</b>				

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.

# Technical Specifications

30kWh,40kWh,50kWh



Model Number	HV300		HV400		HV500	
Total Battery Capacity	31.8kWh		42.4kWh		53kWh	
<b>Usable Capacity</b>	<b>30kWh</b>		<b>40kWh</b>		<b>50kWh</b>	
Nominal Voltage	307.2V		409.6V		512V	
<b>Working Voltage</b>	<b>259.2 – 345.6V</b>		<b>345.6 – 460.8V</b>		<b>432 – 576V</b>	
Nominal Output Power	18.0kW		24.0kW		30.0kW	
<b>DOD</b>			<b>95%</b>			
Cell Type			LiFePO4			
<b>Max. Charging/ Discharging Current</b>			<b>60A</b>			
SOC indicator			4*LED (25%,50%,75%,100%)			
<b>State Indicator</b>			<b>2*LED ( work,alarm)</b>			
Communication			CAN, RS485			
<b>Working Temperature</b>			<b>-10 to +50°C</b>			
Ingress Protection Rating			IP65 (PACK IP67)			
<b>Working Humidity</b>			<b>5 – 95% RH</b>			
Working Altitude			<4,000m			
<b>Calendar Life</b>			<b>&gt;6,000 (70%EOL)</b>			
Dimensions ( W*H*D)	Master:700*1,350*200mm Slave: 700*1,300*200mm	Master: 700*1,700*200mm Slave: 700*1,650*200mm	Master: 700*2,050*200mm Slave: 700*2,000*200mm			
<b>Net Weight</b>	<b>BDU (9kg)*1+PACK (44kg)*N+base (5.6kg)*1</b>					
Alarms	Over charge / Over discharge / Over current / Over temperature / Short circuit					
<b>Warranty</b>	<b>10 years</b>					

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.