

HIGH VOLTAGE BATTERY

5kWh, 10kWh, 15kWh,
20kWh-R



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

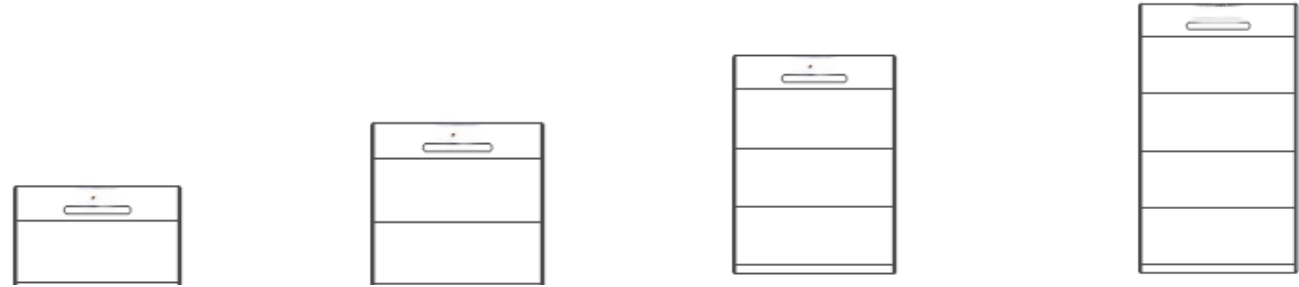
- 32A fast charging/discharging support
- LiFePO4 cells with 6000+ charge/discharge cycles
- Optional PV module pre-heating for broad applications

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

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Model Number	HV50R	HV100R	HV150R	HV200R
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh
Usable Capacity	5.035kWh	10.07kWh	15.105kWh	20.14kWh
Nominal Voltage	102.4V	204.8V	307.2V	409.6V
Working Voltage	86.4-115.2V	172.8-230.4V	259.2-345.6V	345.6-460.8V
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW
Cell Type	LiFePO4			
Max. Charging/ Discharging Current	35A			
SOC indicator	4*LED (25%,50%,75%,100%)			
State Indicator	2*LED (work,alarm)			
Communication	CAN, RS485			
Working Temperature	-10 to +50°C (heating version -20 to +50°C)			
Ingress Protection Rating	IP65 (PACK IP67)			
Working Humidity	5 - 95% RH			
Working Altitude	<4,000m			
Calendar Life	>6,000 (70%EOL)			
Dimensions (W*H*D)	700*600*200 mm	700*950*200 mm	700*1300*200 mm	700*1650*200 mm
Net Weight	65kg	115kg	165kg	215kg
Alarms	Over charge / Over discharge / Over current / Over temperature / Short circuit			
Warranty	10 years			

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