



HIGH VOLTAGE BATTERY

HYX-E50/100/150/200/250-H2
HYX-E300/400/500-H2



Safe & 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

HYX-E50/100/150/200/250-H2
HYX-E300/400/500-H2

Technical Specifications



Battery System	HYX-E50-H2	HYX-E100-H2	HYX-E150-H2	HYX-E200-H2	HYX-E250-H2
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
Usable Capacity ¹	4.5kWh	9kWh	13.5kWh	18kWh	22.5kWh
Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512V
Working Voltage	86.4 ~ 115.2V	172.8 ~ 230.4V	259.2 ~ 345.6V	345.6 ~ 460.8V	432 ~ 576V
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW	15.0kW
Cell Type	LiFePO4				
Max. Charging/Discharging Current	32A				
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*200mm	700*950*200mm	700*1,300*200mm	700*1,650*200mm	700*2,000*200mm
Net Weight	58.6kg	102.6kg	146.6kg	190.6kg	234.6kg
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.



Battery System	HYX-E300-H2	HYX-E400-H2	HYX-E500-H2
Total Battery Capacity	31.8kWh	42.4kWh	53kWh
Usable Capacity ¹	27kWh	36kWh	45kWh
Nominal Voltage	307.2V	409.6V	512V
Working Voltage	259.2 ~ 345.6V	345.6 ~ 460.8V	432 ~ 576V
Nominal Output Power	18.0kW	24.0kW	30.0kW
Cell Type	LiFePO4		
Max. Charging/Discharging Current	60A		
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)	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
Net Weight	Master: 148.1kg Slave: 146.6kg	Master: 192.1kg Slave: 190.6kg	Master: 235.1kg Slave: 234.6kg
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.