

# HIGH VOLTAGE BATTERY

## 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 30-50kWh 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

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## Technical Specifications



Battery System	HYX-E300-H2	HYX-E400-H2	HYX-E500-H2
Total Battery Capacity	31.8kWh	42.4kWh	53kWh
Usable Capacity <sup>1</sup>	31.8kWh	42.4kWh	53kWh
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
DOD		100%	
Cell Type		LiFePO4	
Max. Charging/Discharging Current		64A	
SOC Indicator		4*LED (25%, 50%, 75%, 100%)	
State Indicator		2*LED (work, alarm)	
Communication		CAN, RS485	
Working Temperature		-10 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	BDUP (10.5kg)*1+BDU (9kg)*1+PACK (44kg)*N+base (5.6kg)*2		
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.