

High Voltage Battery

HYX-E300/400/500-H2

Version 1.9-2606

Design and specifications are subject to change without notice.



Safe & Reliable

- A+ Grade Cells with Automotive-Grade Standard
- Smoke Detection, Active Pressure Relief
- IP65, C4 Aalt Apray 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

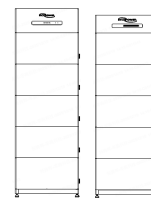
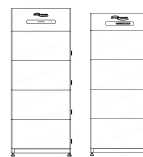


Smart & Manageable

- Automotive-Grade BMS for Efficient Energy Management
- Scenario-Based App with Real-Time Energy Monitoring
- AI-Powered Cloud with 24/7 Alerts And Optimization

Technical Specifications

HYX-E300/400/500-H2



Battery System	HYX-E300-H2	HYX-E400-H2	HYX-E500-H2
Total Battery Capacity	31.8kWh	42.4kWh	53kWh
Usable Capacity ¹	31.8kWh	42.4kWh	53kWh
Nominal Voltage	307.2Vd.c.	409.6Vd.c.	512Vd.c.
Working Voltage	259.2 ~ 345.6Vd.c.	345.6 ~ 460.8Vd.c.	432 ~ 576Vd.c.
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		< 4000m	
Calendar Life		> 6000 (70%EOL)	
Dimensions (W × H × D)	Master: 700 × 1350 × 200mm Slave: 700 × 1300 × 200mm	Master: 700 × 1700 × 200mm Slave: 700 × 1650 × 200mm	Master: 700 × 2050 × 200mm Slave: 700 × 2000 × 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.