

High Voltage Battery

HYX-E50/100/150/200-H

Version 1.4-2605

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 Salt Spray Resistance



Convenient & User-Friendly

- Flat Design for Easy Integration
- Quick-Plug Interface for Simple Installation
- Stackable Design for 5 ~ 20kWh Capacity Flexibility



Efficient & Durable

- 35A 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-E50/100/150/200-H



Battery System	HYX-E50-H	HYX-E100-H	HYX-E150-H	HYX-E200-H
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh
Usable Capacity ¹	4.5kWh	9.0kWh	13.5kWh	18.0kWh
Nominal Voltage	102.4Vd.c.	204.8Vd.c.	307.2Vd.c.	409.6Vd.c.
Working Voltage	86.4 ~ 115.2Vd.c.	172.8 ~ 230.4Vd.c.	259.2 ~ 345.6Vd.c.	345.6 ~ 460.8Vd.c.
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 ~ +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)	700 × 600 × 200mm	700 × 950 × 200mm	700 × 1300 × 200mm	700 × 1650 × 200mm
Net Weight	BDU (9kg) × 1+PACK (44kg) × N+base (5.6kg) × 1			
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.