

RACK-MOUNTED BATTERY (HV)

HYX-E(150-600)-HR



Safe & Reliable

- Cell temperature collection, Multiple protection mechanism
- Precise Monitoring of SOH

Convenient & User-Friendly

- Flexible expansion, 15~240kWh
- Rack stackable design, easy installtion

Efficient & Durable

- LiFePO4 cells with 4000+ charge/discharge cycles
- 100A fast charging/discharging support

Smart & Manageable

- Automotive-grade BMS for efficient energy management
- AI-powered cloud with 24/7 alerts and optimization

HYX-E(150-600)-HR

Technical Specifications

Rack System Control Unit Model	HYX-EBDU-HR HYX-E50B-HR
Battery Type	LiFePO4
Nominal Battery Energy	5.22 kWh
Nominal Capacity	102 Ah
Nominal Voltage	51.2 V
Charge/Discharge Current	Recommend:50 A; Maximum:100 A
Weight	45 kg
Dimensions (W*H*D)	465*545.3*135 mm
Working Temperature	Charge: 0~50°C; Discharge: -20~50°C
Communication	CAN
Cycle Life	> 4000 (70%EOL)
Recommend Depth of Discharge	95%
Protection Level	IP20
Expansion	Up to 12 units in series

System Model	HYX-E150-HR	HYX-E200-HR	HYX-E250-HR	HYX-E300-HR	HYX-E350-HR
Battery Module Number (3~7)	3 units	4 units	5 units	6 units	7 units
System Nominal Energy	15.66 kWh	20.88 kWh	26.11 kWh	31.33 kWh	36.55 kWh
System Usable Energy	14.88 kWh	19.84 kWh	24.80 kWh	29.76 kWh	34.72 kWh
System Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V
System Operating Voltage	134.4~172.8 V	179.2~230.4 V	224~288 V	268.8~345.6 V	313.6~403.2 V
System Nominal Power	7.68 kW	10.24 kW	12.80 kW	15.36 kW	17.92 kW
Charge/Discharge Current	Recommend: 50 A; Maximum: 100 A				
Altitude	≤ 2000 m				
Ingress Protection	IP20				
Communication	CAN, RS485				
Installation Location	Rack Mounting				
Weight	182 kg	230 kg	278 kg	326 kg	375 kg
Dimensions (W*H*D)	4 PACK + 1 BDU: 480.6*537*805 mm; 6 PACK + 1 BDU: 480.6*537*1095 mm				

System Model	HYX-E400-HR	HYX-E450-HR	HYX-E500-HR	HYX-E550-HR	HYX-E600-HR
Battery Module Number (8~12)	8 units	9 units	10 units	11 units	12 units
System Nominal Energy	41.77 kWh	47.00 kWh	52.22 kWh	57.44 kWh	62.66 kWh
System Usable Energy	39.68 kWh	44.65 kWh	49.61 kWh	54.57 kWh	59.53 kWh
System Nominal Voltage	409.6 V	460.8 V	512 V	563.2 V	614.4 V
System Operating Voltage	358.4~460.8 V	403.2~518.4 V	448~576 V	492.8~633.6 V	537.6~691.2 V
System Nominal Power	20.48 kW	23.04 kW	25.60 kW	28.16 kW	30.72 kW
Charge/Discharge Current	Recommend: 50 A; Maximum: 100 A				
Altitude	≤ 2000 m				
Ingress Protection	IP20				
Communication	CAN, RS485				
Installation Location	Rack Mounting				
Weight	423 kg	472 kg	520 kg	568 kg	617 kg
Dimensions (W*H*D)	4 PACK + 1 BDU: 480.6*537*805 mm; 6 PACK + 1 BDU: 480.6*537*1095 mm				