

Rack-Mounted Battery (HV)

HYX-E(150-600)-HR

Version 1.3-2605

Design and specifications are subject to change without notice



Safe & Reliable

- Cell Temperature Collection, Multiple Protection Mechanism
- Precise Monitoring of SOH



Convenient & User-Friendly

- Flexible Expansion, 15~240kWh
- Rack Stackable Design, Easy Installation



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

Technical Specifications

HYX-E(150-600)-HR

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

Technical Specifications

HYX-E(150-600)-HR

System Model	HYX-E150-HR	HYX-E200-HR	HYX-E250-HR	HYX-E300-HR	HYX-E350-HR
Battery Module Number (3~7)	3units	4units	5units	6units	7units
System Nominal Energy	15.66kWh	20.88kWh	26.11kWh	31.33kWh	36.55kWh
System Usable Energy	14.88kWh	19.84kWh	24.80kWh	29.76kWh	34.72kWh
System Nominal Voltage	153.6Vd.c.	204.8Vd.c.	256Vd.c.	307.2Vd.c.	358.4Vd.c.
System Operating Voltage	134.4 ~ 172.8Vd.c.	179.2 ~ 230.4Vd.c.	224 ~ 288Vd.c.	268.8 ~ 345.6Vd.c.	313.6 ~ 403.2Vd.c.
System Nominal Power	7.68kW	10.24kW	12.80kW	15.36kW	17.92kW
Charge/Discharge Current	Recommend: 50 A; Maximum: 100 A				
Altitude	≤ 2000m				
Ingress Protection	IP20				
Communication	CAN, RS485				
Installation Location	Rack Mounting				
Weight	182kg	230kg	278kg	326kg	375kg
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 (3~7)	8units	9units	10units	11units	12units
System Nominal Energy	41.77kWh	47.00kWh	52.22kWh	57.44kWh	62.66kWh
System Usable Energy	39.68kWh	44.65kWh	49.61kWh	54.57kWh	59.53kWh
System Nominal Voltage	409.6Vd.c.	460.8Vd.c.	512Vd.c.	563.2Vd.c.	614.4Vd.c.
System Operating Voltage	358.4 ~ 460.8Vd.c.	403.2 ~ 518.4Vd.c.	448 ~ 576Vd.c.	492.8 ~ 633.6Vd.c.	537.6 ~ 691.2Vd.c.
System Nominal Power	20.48kW	23.04kW	25.60kW	28.16kW	30.72kW
Charge/Discharge Current	Recommend: 50A; Maximum: 100A				
Altitude	≤2000m				
Ingress Protection	IP20				
Communication	CAN, RS485				
Installation Location	Rack Mounting				
Weight	423kg	472kg	520kg	568kg	617kg
Dimensions (W × H × D)	4 PACK + 1 BDU: 480.6 × 537 × 805 mm; 6 PACK + 1 BDU: 480.6 × 537 × 1095 mm				