

Residential ESS

HYHV-50-A



Safety and Reliability

Using LFP cells and intelligent BMS monitoring and management



Strong Scalability

Maximum capacity of 23.04 kWh with 8 groups in parallel



Easy to install

Module stacking design



High Adaptability

Mainstream inverter brand adaptations



Low MOQ

Low MOQ for OEM order, Built your own brand



Optimal Electricity Cost

Long cycle life and superior performance



DATASHEET

MODULE: HYHV-50-A

Nominal Capacity(kWh)	8.64	11.52	14.4	17.28	20.16	23.04
Number of Modules	3	4	5	6	7	8
Rated Voltage	172.8V	230.4V	288V	345.6V	403.2V	460.8V
Operating Voltage Range	151.2 ~ 194.4V	201.6 ~ 259.2V	252 ~ 324V	302.4 ~ 388.8V	352.8 ~ 453.6V	403.2 ~ 518.4V
Dimension (W*D*H mm)	600*380*715	600*380*865	600*380*1015	600*380*1165	600*380*1315	600*380*1465
Net Weight (kg)	64±2 (per module)					

GENERAL

Battery Type	LiFePO4 Cell
Nominal Capacity(Ah)	50
Depth of Discharge	95%
Max.Charge/Discharge Current(A)	50
Peak Discharge Current(A)	50A@10S
Working Temperature	Charge: 0-50°C ; Discharge: -10-50°C
Storage Temperature (Optimum Temperature)	-20-55°C
Communication	RS485/CAN
Humidity	10%-85%(No Condensing)
Altitude	≤2000m
Cycle Life	≥6000,25°C
Protection Level	IP65
Warranty	10 years

CERTIFICATION

Safety(CB)	IEC 62619:2022
EMC(CE)	EN IEC61000-6-1:2019; EN IEC61000-6-1:2021
Transportation	UN38.3, MSDS

 www.huayou.com



Made-in-China