YAHUA

HIGH VOLTAGE BATTERY SERIES

RECHARGEABLE

LFP BATTERY

Energy storage system

Smart O&M

Check the APP to find data on your phone.
Remote diagnosis and OTA

Easy Installation

43kg/05.8lb per battery box, easy to move and install
Quick connector between boxes, no cable connecting

Safe & Reliable

Lithium Iron Phosphate (LFP) cell only
BMS, fuse and aerosol kit are built inconnecting

Environment Adaptability

Wider temperature range: -20°C~+55°C
IP20 protection class

Expansion Flexibility

5kWh modular design, Scalable from 40.96kWh to61.44kWh.

More Usable Energy

90% Depth of Discharge, more than 6000 cycles (0.5C, 25°C)

Long Lifespan

More than 15 years

Technical Specification

SYSTEM MODULE	BYH008	BYH009	BYH010	BYH011	BYH012
Nominal Capacity [kWh]	40.96KWh	46.08KWh	51.2KWh	56.32KWh	61.44KWh
Nominal Voltage [V]	409.6V	460.8V	512V	563.2V	614.4V
Number of Batteries	8	9	10	11	12
Operating Voltage [V]	320V-467V	360V-525V	400V-584V	440V-642V	480V-700V
Charge/discharge Current (A)	50A	50A	50A	50A	50A
Maximum Continuous Charge/discharge Current (A)	100A	100A	100A	100A	100A
Size(W×H×D)[mm]	525*1300*602	525*1500*602	525*1700*602	525*1900*602	525*2100*602
Weight [kgl	≈400	≈442	≈486	≈510	≈550
BatteryType	LiFePO4				
Battery Module					
Battery Capacity (kWh)	5.12KWh				
Battery Voltage (Vdc)	51.2V				
Weight (kg)	43KG				
Size (W*H*D, mm)	450*132*413mm				
HV Control Box					
Rated Voltage (Vdc)	200V-100V				
Rated Current (A)	100A Max				
Weight (kg)	13.6KG				
Size (W*H*D, mm)	450*135*410mm				
TECHNICAL DESCRIPTION					
Charging Operating Temperature [℃]	Charge:0 ℃~+50 ℃				
Discharging Operating Temperature [℃]	Discharge:-20 ℃~+55 ℃				
Transportation SOC	30%				
Life Cycles	>6000cycles@25 ℃,0.5C,80%DOD				
Altitude [m]	≤3000				
Ingress Protection	IP20				
Installation	Removable rack mount				
Rated Capacity	Test conditions:cell voltage 2.5V-3.65V,25±3 ℃ temperature range,0.5C charge and discharge				
Available Capacity					
Certification	CE IEC62619 UN38.3 MSDS				