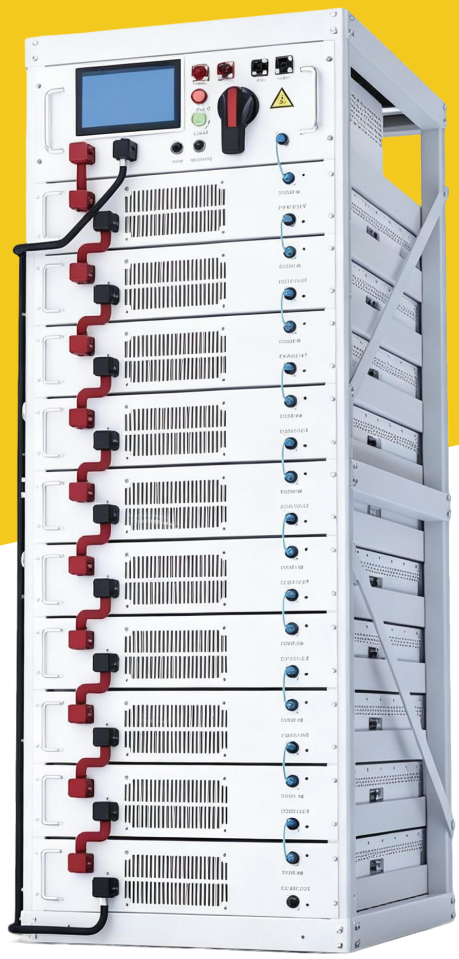
YAHUA

HIGH VOLTAGE BATTERY SERIES

RECHARGEABLE

LFP BATTERY

Energy storage system



Yahua HVB100K

100KWH ESS

Residential & Small Commercial Use

Suitable for residential energy storage and small commercial scenarios.

Detachable Rack Design

Modular structure simplifies installation and supports flexiorts flexible capacity expansion.

Intelligent BMS Protection

Smart battery management system provides comprehensive comprehensive electrical safety protection.

Technical Specification

SYSTEM MODULE	HVB60K	HVB70K	HVB80K	HVB90K	HVB100K
Nominal Capacity [kWh]	61.44KWh	71.68KWh	81.92KWh	92.16KWh	102.4KWh
Nominal Voltage [V]	307.2V	358.4V	409.6V	460.8V	512V
Number of Batteries	6	7	8	9	10
Operating Voltage [V]	268V-350V	313V-408V	358V-467V	403V-525V	448V-584V
Charge/discharge Current (A)	100A	100A	100A	100A	100A
Maximum Continuous Charge/discharge Current (A)	200A	200A	200A	200A	200A
Size(W×H×D)[mm]	550*840*1060	550*840*1195	550*840*1330	550*840*1465	550*840*1600
Weight (KG)	≈568	≈651	≈734	≈817	≈900
Battery Type	LiFePO4				
Battery Module					
Battery Capacity (kWh)	10.24KWh				
Battery Voltage (Vdc)	51.2V				
Weight (kg)	83KG				
Size (W*H*D, mm)	530*820*135mm				
HV Control Box					
Rated Voltage (VDC)	200V-1000V				
Rated Current (A)	200A Max				
Weight (kg)	13.6KG				
Size (W*D*H, mm)	530*600*177mm				
TECHNICAL DESCRIPTION					
Charging Operating Temperature [℃]	Charge:0 ℃~+50 ℃				
Discharging Operating Temperature [℃]	Discharge:-20 ℃~+55 ℃				
Transportation SOC	30%				
Life Cycles	>5000cycles@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	200Ah				
Communicate Protocol (Optional)	485/CAN Match most inverter protocols				
SOC (Optional)	Screen/PC Software				
Certification	CE IEC62619 UN38.3 MSDS				