



HIGH VOLTAGE BATTERY SERIES

Stackable HVB-5K Lithium Battery



Smart O&M

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



Easy Installation

42KG / 105.8lb 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 in connecting



Environment Adaptability

Wider temperature range: -20°C~+55°C
IP65 protection class



Expansion Flexibility

5kWh modular design, Scalable from 15kWh to 42kWh.



More Usable Energy

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



Long Lifespan

More than 15 years

Technical Specification

System parameters					
Model	HVB-A-20KWH	HVB-A-25KWH	HVB-A-30KWH	HVB-A-35KWH	HVB-A-40KWH
Rated Voltage	409.6V	512V	614.4V	716.8V	819.2V
Nominal capacity	50AH	50AH	50AH	50AH	50AH
Energy	20480wh	25600wh	30720wh	35840wh	40960wh
voltage range	358.4V-467.2V	448V-584V	537.6V-700V	627.2V-817.6V	716.8V-934.4V
Charge Current	0.5C	0.5C	0.5C	0.5C	0.5C
Max Charge Current	50A	50A	50A	50A	50A
Continuous Discharge Current	50A	50A	50A	50A	50A
Max Discharge Current	100A 3S	100A 3S	100A 3S	100A 3S	100A 3S
Dimensions*mm	400*600*830mm	400*600*970mm	400*600*1110mm	400*600*1250mm	400*600*1290mm
Approx. weight	190KG	232KG	274KG	316KG	358KG
Single module Voltage	102.4V				
weight	42KG				
Size	400*600*140mm				
Electrical Parameters(25° C)					
Self-consumption	≤ 3% month				
Charge Efficiency	100%@ 0.5C				
DisCharge Efficiency	99%@ 1C				
Nominal operating temperature	25° C ± 3° C (77° F ± 5° F)				
Operating temperature range	Discharge -20° C~60° C (-4° F~140° F) Charge 0° C~45° C (32° F~113° F) Storage 0° C~40° C (32° F~104° F)				
Protection rating	IP54				
Communicate Protocol (optional)	485/CAN Compatible with most inverter protocols				
SOC (optional)	LED WIFI				
Battery Type	LiFePO4 Lithium Battery				
Cycle life	≥ 5000 cycle				
Certification	CE IEC62619 UN38.3 MSDS				