



HIGH VOLTAGE BATTERY SERIES

RECHARGEABLE LFP BATTERY

HVB-10K



Smart O&M

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



Easy Installation

83KG /182lb 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

10kWh modular design, Scalable from 40kWh to 80kWh.



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-40KWH	HVB-A-50KWH	HVB-A-60KWH	HVB-A-70KWH	HVB-A-80KWH
Rated Voltage	409.6V	512V	614.4V	716.8V	819.2V
Nominal capacity	100AH	100AH	100AH	100AH	100AH
Energy	40960wh	51200wh	61400wh	71680wh	81920wh
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	100A	100A	100A	100A	100A
Continuous Discharge Current	100A	100A	100A	100A	100A
Max Discharge Current	200A 3S	200A 3S	200A 3S	200A 3S	200A 3S
Dimensions*mm	600*800*980mm	600*800*1157mm	600*800*1334mm	600*800*1511mm	600*800*1688mm
Approx. weight	350KG	433KG	516KG	599KG	682KG
Single module Voltage	102.4V				
weight	83KG				
Size	600*800*177mm				
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				