

HV Stacked LiFePO₄ Battery

Modular Design | Integrated HV Box



High Voltage Energy System

Equipped with high-voltage box, the 48V100Ah LiFePO₄ battery is suitable for high voltage system. Cooperating with PV panels, three-phase inverter for high voltage, the whole HV system delivers higher energy power supply for large power demands.



Movable Energy Bank

Equipped with four movable wheels, it can be easily connected and cooperated with other parts. Moreover, it is charged and discharged at anywhere you want to place at factories or workshops that need power.



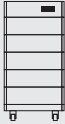
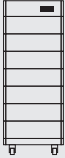
Standard Stacked Module

By adopting advanced LiFePO₄ battery technology, the 48V100Ah stacked high battery has a long cycle life of more than 4000 times with the level of IP21. With built in a smart BMS monitoring, the battery endures smooth whole system operation.



Long Cycle Life

Consisting of standard scalable battery modules, the whole high voltage system easily achieves energy expansion, supporting long lasting and stable power supply.

Product Type	HVM45S100BL	HVM60S100BL	HVM75S100BL	HVM90S100BL	HVM105S100BL	HVM120S100BL
Product Description						
						
Number of Modules	3	4	5	6	7	8
Battery Capacity	100Ah	100Ah	100Ah	100Ah	100Ah	100Ah
Battery Energy	14.4KWh	19.2KWh	24KWh	28.8KWh	33.6KWh	38.4KWh
Size(L×W×H) mm	570×380×833	570×380×1000	570×380×1167	570×380×1334	570×380×1501	570×380×1668
Weight	148Kg	192.9Kg	234.4Kg	275.9Kg	317.4Kg	358.9Kg
Maximum Charging Current	100A	100A	100A	100A	100A	100A
Maximum Discharge Current	100A	100A	100A	100A	100A	100A

Features						
Battery Type	LFP					
Cycle Life	≥ 6000 times @ 80% DOD, 25 °C					
Nominal Voltage	144V	192V	240V	288V	336V	384V
Operating Voltage Range	160-438V					
IP Protection	IP 54					
Installation	Floor installation					
Charging Temperature	0-60℃					
Discharge Temperature	-10~60℃					

Conventional						
BMS Monitoring Parameters	SOC, System voltage,current, cell voltage, cell temperature, PCBA temperature measurement					
Communication Port	RS485 / CAN					
Waranty	5 or 10 years (optional)					

* Test conditions: 25 °C, 100 % depth of discharge (DOD), 0.2C charge & discharge.