

# HIGH VOLTAGE

## LiFePO4 BATTERY



**144-384V**  
**HVM45-120S100BL**



## 01 BATTERY FEATURES

- ◆ 1. Modular design, easy to expand the capacity, supports up to 8 battery packs in series, with optional energy of 9.6kwh~38.4kwh;
- ◆ 2. LCD display to monitor the operating status of the battery in real time;
- ◆ 3. Achieving the maximum efficiency through the high-voltage series connection, with high-power emergency backup and off-grid functions;
- ◆ 4. Patented modular plug design, no internal wiring required, highly flexible and easy to install;
- ◆ 5. Grade A lithium iron phosphate (LFP) battery cell with 6000 cycles, high safety and long service life;
- ◆ 6. Built-in BMS intelligent protection function, compatible with leading high-voltage inverters;
- ◆ 7. Universal wheel design at the bottom for easy movement and use

### Product Description

Product Type	HVM45S100BL	HVM60S100BL	HVM75S100BL	HVM90S100BL	HVM105S100BL	HVM120S100BL
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	189Kg	230Kg	271Kg	312Kg	353Kg
Standard Charge Current	20A	20A	20A	20A	20A	20A
Standard Discharge Current	20A	20A	20A	20A	20A	20A

### 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 21					
Installation	Floor installation					
Charging Temperature	0~60°C					
Discharge Temperature	-10~60°C					

### 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)

## 02 FIELDS OF APPLICATION

High Voltage Energy Storage Batteries can be stacked, and the main use areas are as follows:

Standby power

Home energy storage

Machine shop

Solar storage ...

