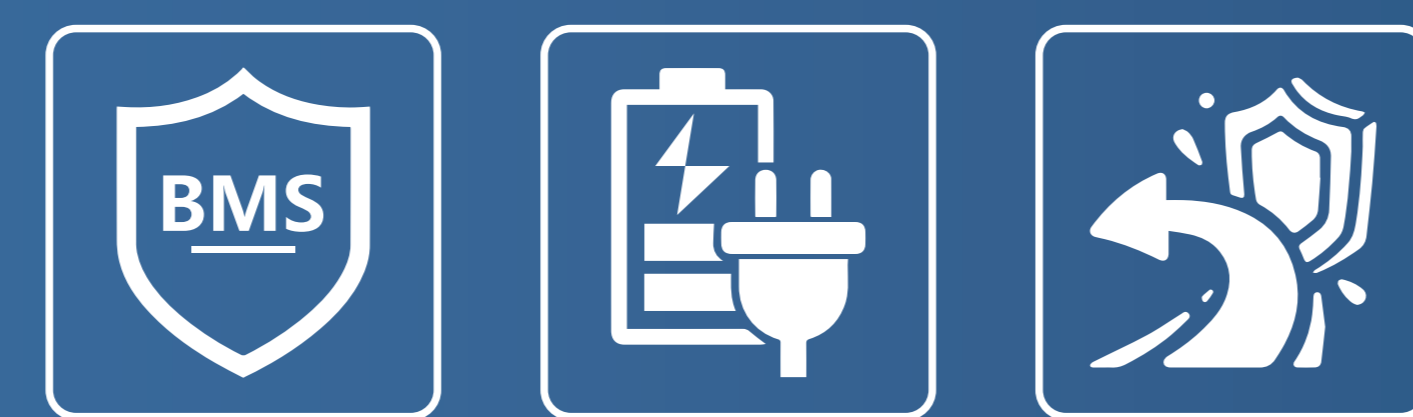


HIGH VOLTAGE

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	IP21					
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 ...

