

200V-512V High Voltage Cabinet ESS Batteries



PCENERSYS (SHENZHEN) CO.,LTD.



Features:



Higher Cycle, Longer Life

Grade A cells, high charging and discharging efficiency, more than 6000 cycles



BMS Intelligent Protection

Overcharge, overcurrent, overdischarge, overvoltage protection...



Modular Design

Modular design, parallel expansion, flexible choice of voltage and capacity



LCD Display

Monitor the operating status data of ESS system in real time



Convenient Installation

Quick installation with standard 19-inch module, easy for installation



RS485/CAN Communication

It supports RS485 and CAN communication at the same time

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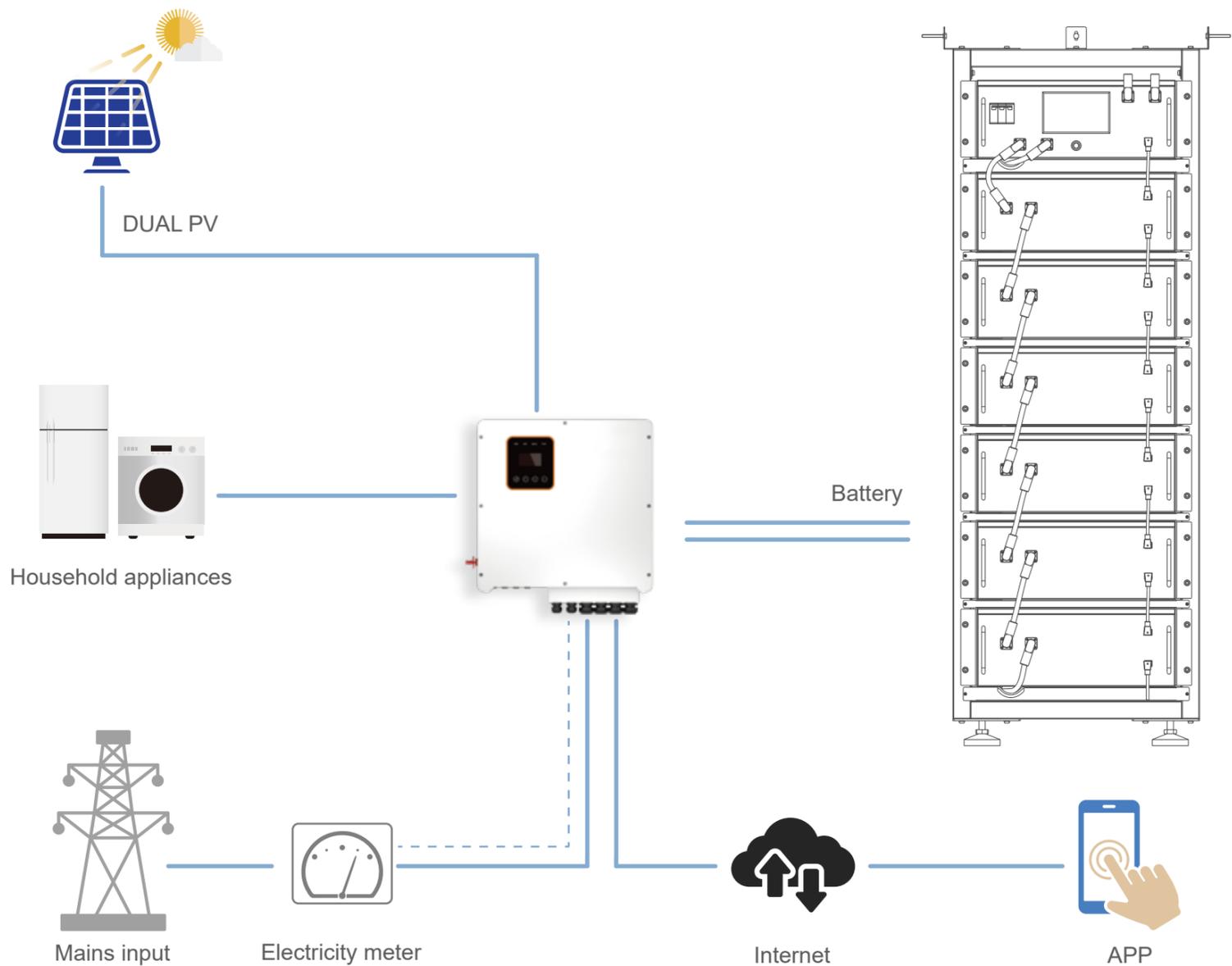
Parameters

Product Description	Product Parameters	
Product Model	HVM64S100BL-U	HVM96S100BL-U
Module Presentation		
Number Of Modules	4	6
Energy Capacity (Ah)	100	100
Standard Voltage (V)	204.8	307.2
Rated Energy (KWh)	20.48	30.72
Product Dimensions (L×W×Hmm)	548×584×1500	548×584×1500
Net Weight (Kg)	235	340
Standard Charge Current (A)	20	20
Maximum Discharge Current (A)	100	100
IP Protection	21	21
Product Model	HVM128S100BL-U	HVM160S100BL-U
Module Presentation		
Number Of Modules	8	10
Energy Capacity (Ah)	100	100
Standard Voltage (V)	409.6	512
Rated Energy (KWh)	40.96	51.2
Product Dimensions (L×W×Hmm)	548×584×1950	548×584×2300
Net Weight (Kg)	425	510
Standard Charge Current (A)	20	20
Maximum Discharge Current (A)	100	100
IP Protection	21	21

Battery Type	Nominal Voltage (V)	Operating Voltage Range (V)	Communication	Installation	Operating Temperature
LFP	51.2	42~58.4	CAN/RS485	Cabinet holding	Charging: 0~60°C; Discharge: -10~60°C

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Schematic Diagram



Application Scenario and Precautions

● Application Scenario

High-voltage cabinet batteries can be stacked, and the main use areas are as follows:

- Standby power
- Home energy storage
- Machine shop
- Remote Monitoring
- Power control
- Solar Storage . . .

● Precautions

- Do not short circuit, crush or disassemble.
- Heating or incineration is prohibited
- In order to minimize self-discharge during storage for long time, please disconnect the battery connection of the high voltage control box from the DC connection harness.

