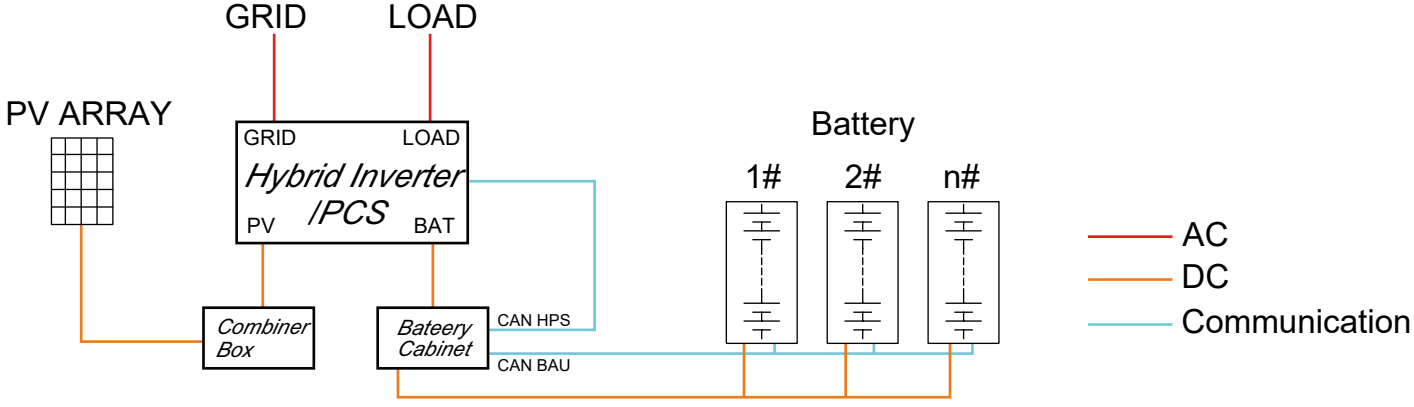
76.8V 120Ah Each Pack

55kWh-92kWh (HV)

LiFePO4 Energy Storage Battery (Application scenarios within 1C)

- Quick Customization of Electricity
- Patented Modular Plug Design
- Easy Installation Flexible Expansion
- Emergency-Backup and Off-Grid Functionality
- Long cycle life 6000 cycles
- Safety first Smart BMS system



Technical Parameters (Battery Cluster)

	55.296KWh	64.512KWh	73.728KWh	82.944KWh	92.16KWh
Battery module specification					
Configuration	1P24S				
Rated capacity	120Ah				
Rated energy	9.216kWh				
Rated voltage	76.8V				
Voltage range	67.2-86.4V				
Rated charge/discharge	1C				
AC internal resistance	≤5mΩ				
Dimension(W/D/H)	468*642*200(±5)mm				
Weight	86 kg				
Battery rack specification					
Configuration	6 modules +1 BPU	7modules +1 BPU	8 modules +1 BPU	9modules +1 BPU	10modules +1 BPU
Rated capacity	280Ah				
Rated energy	55.296kWh	64.512kWh	73.728 kWh	82.944kWh	92.16kWh
Rated voltage	460.8V	537.6V	614.4V	691.2V	768V
Voltage range	403.2-518.4V	470.4-604.8V	537.6-691.2V	604.8-777.6V	672-864V
Rated charge/discharge	1C				
Display	7"Touch screen				
BMS	Included				
Communication	CAN				
Monitoring	RS485				
Dimension(W/D/H)	1102*732*910mm		908*901*1150mm		908*901*1380mm
Weight	1018kg	1117kg	1216 kg	1315 kg	1414 kg
Protection degree	IP20				
BMS Parameters on LCD					
Cell voltage	Yes				
Cell hight voltage	Yes				
Cell low voltage	Yes				
Cell temperature	Yes				
Charge and dicharge current	Yes				
Total battery voltage	Yes				
Battery SOC	Yes				
Fault warning	Yes				
Protection					
Short circuit protection	Yes				
Over current protection	Yes				
Over charge protection	Yes				
Over discharge protection	Yes				
Cell over voltage protection	Yes				
Cell under voltage protection	Yes				
Over temperature protection	Yes				

Compatible Inverters

"Adapt to mainstream brands, customizable communication protocols, and factory compatible."

High Volage Lithium-Ion Phosphate Battery storage system 76.8V 120AH

Module	76.8V 120AH
Basic Parameters	
Capacity(kWh)	9.216
Nominal Voltage(Vdc)	76.8
Nominal Capacity(AH)	120
Voltage Range(Vdc)	67.2~86.4
Depth of Discharge	90%
Dimension(W*D*H,mm)	468x642x200(±5)
Design Life	15+ years (25°C)
Cycle Life	>6000(25°C)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	86g+1kg
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Product Certificate	UN38.3

Compatible Inverters

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Main Controller : 1500V 200A

Module	1500V 200AH
Basic Parameters	
Related Product	1500V 200A
AC Supply	/
System Operation Voltage (Vdc)	0~1500
Operation Current (Max.)(A)	200
Self-consumption Power(W)	8
Dimension(W* D*H,mm)	85mm*434mm*238.2mm (±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm

Charge/Discharge End
Charge Over Voltage
Charge/Discharge Over Current
High/Low Temperature
Operation Record
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.

Management and Monitor

Cells Balance
Intelligent Charge Model
Capacity Retention Calculate
Isolation and Protection
Alarm and Protection.

Compatible Inverters

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Battery Cabinet

The battery cabinet is the dc side bus control unit of the energy storage battery system, which is connected with the high voltage box and storage.
intermediate unit capable of converter; The power pool system (stack) is installed in the bus cabinet,
Switch off/circuit breaker (optional). three-level BMS (ESMU). and UPS power supply. Confluence ark.
The electrical characteristics, heat dissipation performance and safety performance of each component have been fully considered in the design.
And operation and maintenance, reasonable space layout, with compact structure, flexible configuration, security.
Full reliability and other characteristics. Three stage BMS module (ESMU) in the bus cabinet, with CAN,
Rs-485, RJ45 Ethernet communication interface, can be realized with high voltage box, PCS/UPS or
The communication function between EMS realizes the data communication and control of the energy storage battery management system and protection.

NO.	Item	Para Range	Function	Remark
1	DC Breaker	630/1000/1250A	Main loop protection	Customization
2	BMS	ESMU-10 II	Display communication control	
3	Switching power supply	35W/75W 24V	Power Supply	
4	Miniature circuit breaker	S202-C64/20/10	Switch	
5	Emergency stop switch	LA38-22ZS	scram protection	
6	Repeaters	CR-MX024DC2L	Signal control and conversion	
7	LED instruction	ED16-22DSR(G/Y/R)	status indicator	
8	Surge protective devices(spd)	Ex9UEP 20 3	Lightning protection bus	
9	Fuse	DC1500/1000V 300A	protection	Customization
10	Terminal strip		Communication power signal conversion	

Compatible Inverters

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