



PowerCube

Liquid Cooling Out-door BESS

Capacity

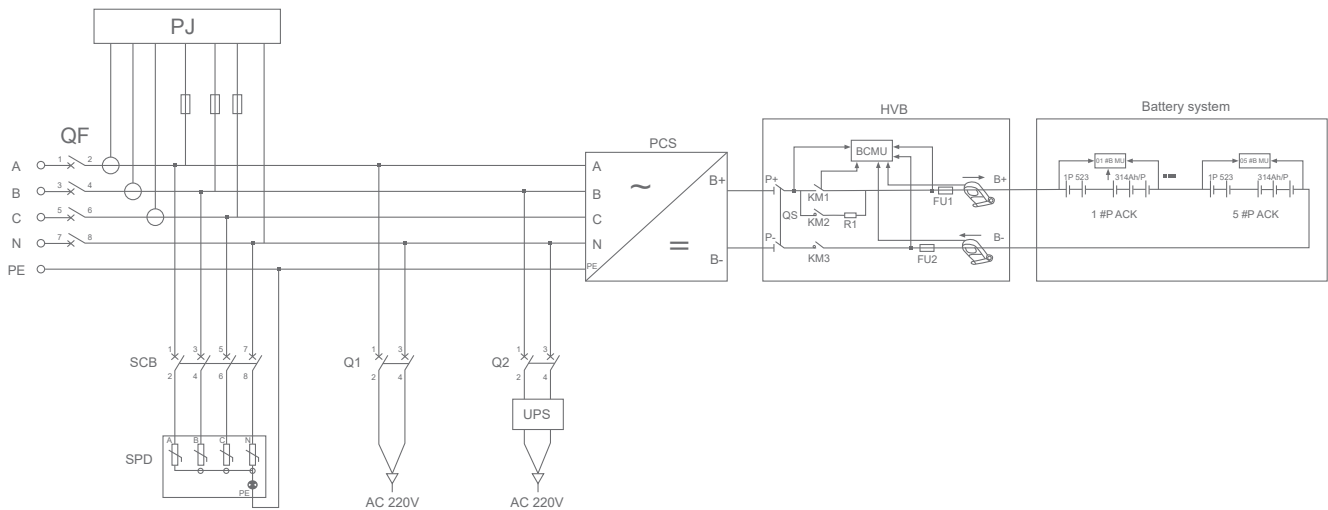
125kW 261kWh

➤➤ Advantages

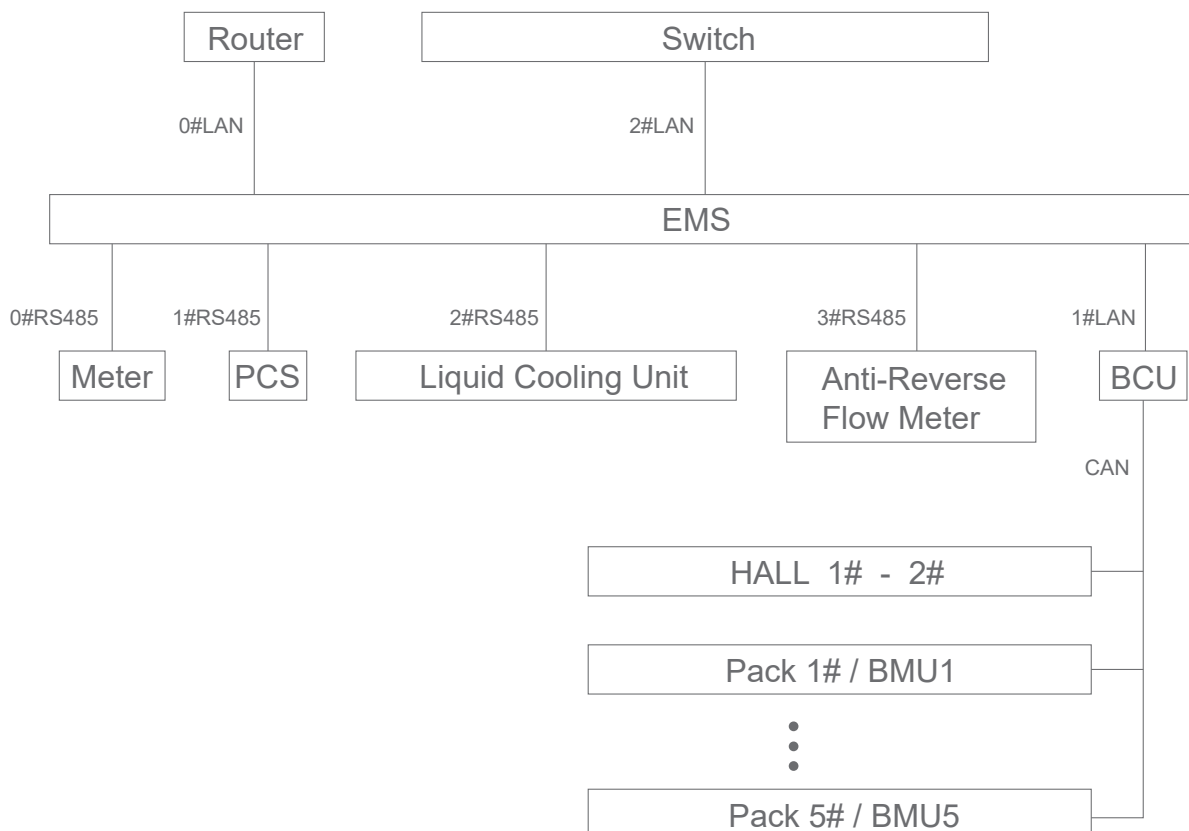
- ◆ Intelligent coordination, supporting parallel connection of up to 10 units (grid-connected);
- ◆ Utilizes high-performance lithium iron phosphate (LFP) battery modules, featuring long lifespan,
- ◆ high safety, and wide temperature range;
- ◆ High energy density, compact size, environmentally friendly, and long cycle life;
- ◆ Integrated with multiple communication interfaces, supporting CAN, RS485, and Ethernet communication;
- ◆ Standardized modules for easy installation, rapid deployment, and capacity expansion;
- ◆ BMS provides comprehensive battery management and protection.
- ◆ Each individual battery module includes voltage alarm and protection functions.

- ◆ Customizable current alarm threshold, protection parameters, and maximum operating current settings.
- ◆ Accurate calculation and display of battery status (SOC and SOH).
- ◆ Integrated local EMS for data collection and monitoring of the energy storage system.

Single-Line Diagram (SLD) of Primary System



Communication topology diagram



➤➤ Battery

Cell	Cell type	LFP	
	Nominal voltage/capacity	3.2V/314Ah	
	Operating voltage range	2.8-3.6V	
	Dimensions (H×D×H)	71.7×174.6×207.1mm	
	Weight	5.69±0.20kg	
	Normal charge-discharge rate	0.5P	
	Impedance (1kHz)	≤0.2mΩ (New Battery Status, 30%SOC)	
Pack	Nominal capacity	314Ah	
	Nominal voltage	166.4V	
	Combinations	1P52S	
	Number of BMUs	1	
	Dimensions (W×D×H)	770×1130×245mm	
	Weight	353kg	
	Cooling method	Liquid cooling	
	Power terminals	Plug-in	
Cluster	Nominal energy	261kWh	
	Nominal voltage	832V	
	Combinations	1P260S	
	Voltage range	728-936V	

➤➤ High Voltage Box (HVB)

HVB	Rated voltage	DC1500V	
	Current rating	157A	
	Maximum current	250A	
	SOC accuracy	< 5%	
	Ingress protection	IP54	
	Dimensions(W×D×H)	485×600×180mm (Without fixing bracket)	
	Weight	40±10kg	
	Cooling method	Air-cooled	
	Power terminals	Plug-in type	
	Color	RAL9010	

➤➤ PCS

PCS	Rated voltage	AC400V	
	Rated power	125kW	
	Maximum current	200A	
	Maximum efficiency	99%	
	Ingress protection	IP20	
	Dimensions(W×D×H)	520×785×232mm	
	Weight	66.5kg	
	Cooling method	Air-cooled	
	Power terminals	Plug-in + screw fixing	

Basic Parameters

	Model	Cube260-L-V2.0
Battery Parameter	Battery Energy	261kWh
	Cell Type	LiFePO4 3.2V/314Ah
	Battery Module Energy	52.25kWh
	Rated Voltage	832V
	Voltage Range	728-936V
	Battery System Configuration	1P260S
	Charge and Discharge Rate	<0.5P
	Cooling Mode	Liquid cooling/5kW
AC Parameter	Rated Power	125kW
	Rated Voltage	380/400V
	Voltage Range	323-460V
	Rated Frequency	50/60Hz
	AC Connection	3P4W
	Overload Capability	110%-longtime
General Parameter	System Efficiency	≥ 88%
	Operating Temperature Range	-20~55℃
	Operating Humidity	5%~95%R.H
	IP Rating	IP54
	Anti-corrosion Grade	Cabinet C3/C4/C5(Optional)
	Altitude	<3000m
	Dimension:W*D*H	1350*1400*2000mm
	Weight	~2.8T
	Firefighting System	Integrated/Aerosol
	Communication Port	CAN, RS485, ETH
	Compliance	IEC62619、CE、CE-EMC、UN38.3、MSDS