



Air-cooling Intelligent All-In-One BESS CP200+Plus





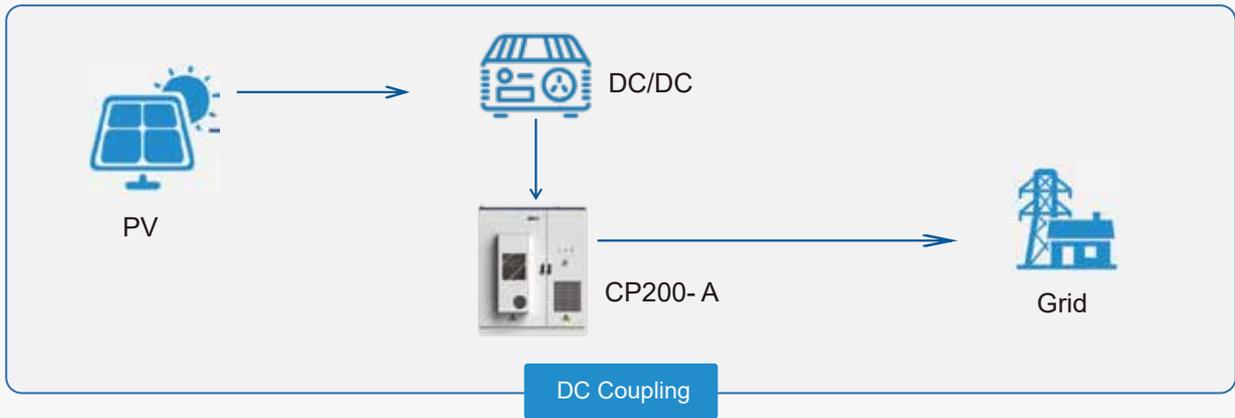
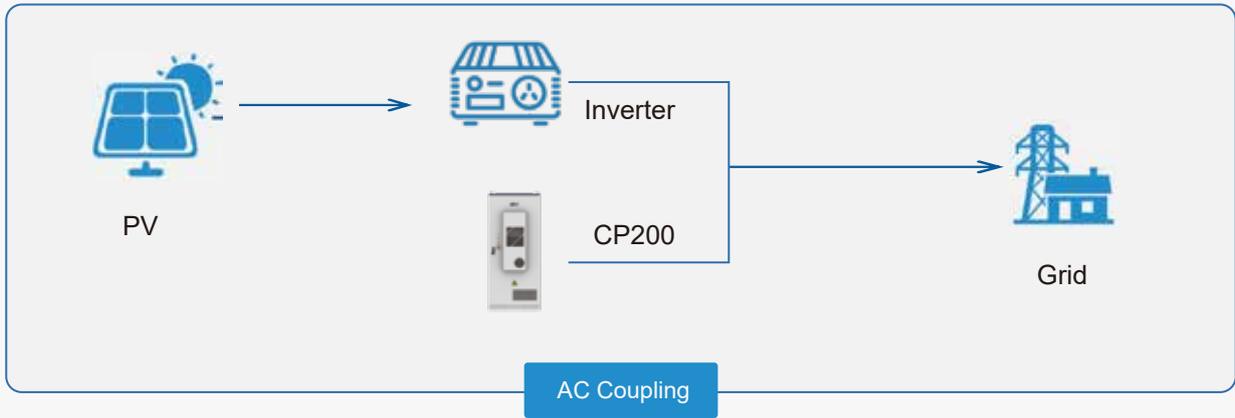
CP200



CP200-A

LSHE-CP200/CP200-A integrated power module, battery, refrigeration, fire protection, dynamic environment monitoring and energy management in one, it is suitable for microgrid scenarios such as small-scale commercial and industrial energy storage, photovoltaic diesel storage, and photovoltaic storage and charging. CP200-A can also be optional PV charging (DC/DC) module, on/off-grid switching module, industrial isolation transformer and other components, used in microgrid scenarios, to form the solar ESS integrated system cabinet.





Product Features

Flexible Parallel

It can realize multiple sets of long-distance free parallel without communication lines, and off-grid switching function;

Diverse Functions

Photovoltaic charging module, off-grid switching module, power frequency transformer and other components can be selected for micro-grid and other scenarios, integrated optical storage integrated system cabinet;

Intelligent Management

The local control screen can realize diversified functions such as system operation monitoring, energy management strategy formulation, and remote equipment upgrade;

Highly Integrated

The system is productized, integrating energy storage batteries, PCS and power distribution, temperature control and fire control, flood door magnet and monitoring and communication, and fully controlling the system operating status and risks;

Excellent Protection

Optimize heat dissipation duct, protect dust and rain; The front and back doors are open for maintenance, which is convenient for multiple systems to be arranged side by side;

Space Saving

Door mounted integrated air conditioning, improve the available space of the cabinet, waterproof effect is good.

Technical Parameter

Product Model	LSHE-CP200 / CP200-All in One
Battery Data	
Battery Type	LFP 3.2 V /280 Ah
Cell Composition	1P224S (1P240S)
Nominal Capacity	200 kWh (215 kWh)
Rated Voltage	716.8V (768V)
Voltage Range	627.2~817.6Vdc (672~876Vdc)
Maximum charge/discharge Current	140A
Depth of Discharge	95%
Cooling Method	Air cooling
AC Side Parameters (grid-connected)	
Rated Power	100kW(@50°C)
Maximum Output Power	110kW(@45°C)
Rated Voltage	400Vac (-15%~15%) , 3P+N+PE (optional)
Rated Grid Frequency	50/60Hz±2.5Hz
Power Factor	0.99 (lagging) ~ 0.99 (leading)
AC Side Parameters (off-grid)	
Rated Voltage	400Vac (-15%~15%)
Rated Output Power	100kW
Rated Output Frequency	50/60Hz
Overload Capacity	110% 10min(45°C) , 120% 1min
Efficiency	
Maximum Efficiency	>98%
Total System Efficiency	≥86%
Charge/Discharge Rate	≤0.5C, Peak power (@1C, 30s)
System Parameter	
Protection level	IP55
Isolation mode	Non-Isolation
Operating temperature	-35~55°C
Dimensions	1110x1410x2590mm
Weight	2.3t
Relative Humidity	0~95%
Altitude	3000m(>3000m derating)
Communication Method	RS485/CAN 2.0/ Ethernet/dry contact
LSHE-CP200-All in One (Optional Device)	
Max. PV input power	100kW
Max. PV input voltage	620V
STS	STS optional
Transformer	Transformer inside

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