



All-in-one Energy Storage

716V / 200KWh
DC Coupled

Maximum 10 cabinets parallel which supports 2MWh capacity.

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All-in-one Energy Storage -- DC Coupled

Description:

Commercial & industrial energy storage is a power storage system specially designed for regional microgrids such as small CBDs, farms, islands, outdoor photovoltaic power stations, etc., which can fully guarantee the power demand and energy security in these scenarios.

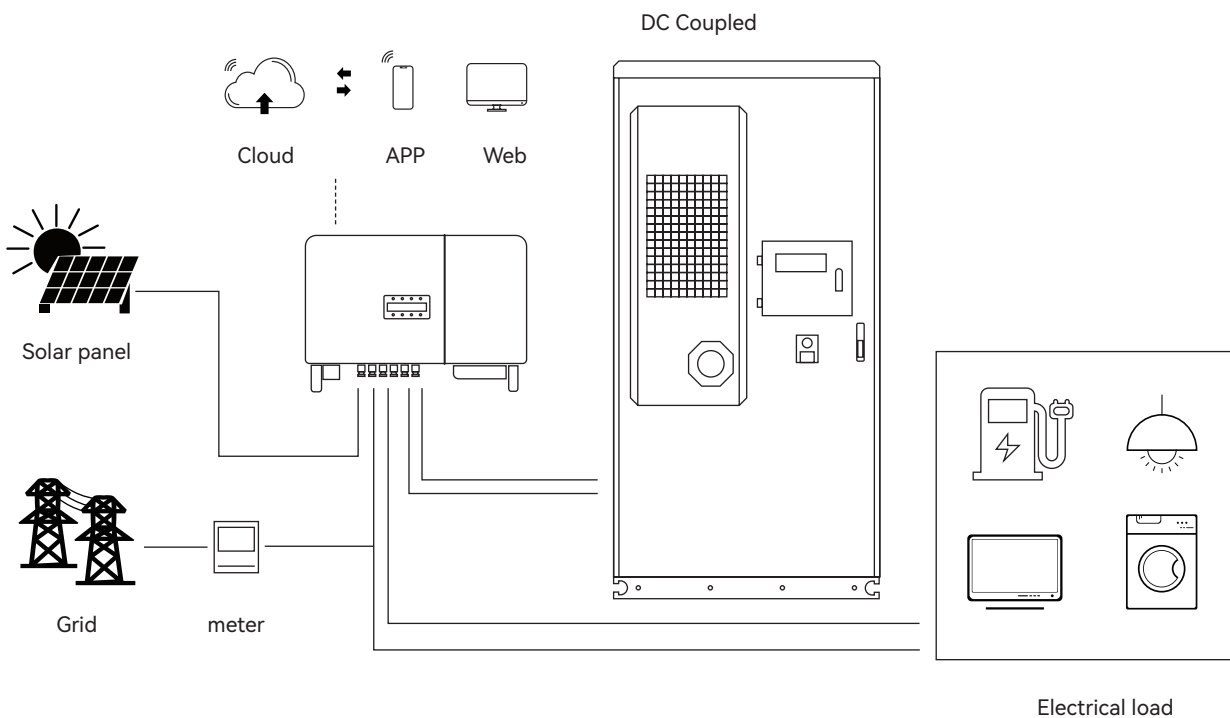
Key features:

The battery energy storage system consists of battery racks, BCM and BSMU.

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution;
- Use BMM-BCM-BSMU third level design, protect voltage, current, temperature in whole process
- Integrated communication interface, CAN2.0 and RS485 communicate with Inverter
- Integrated LED indicator, display operating status
- Balance between cells, balance between modules
- Standard pack, easily for installation and capacity expansion
- Maximum 10 cabinets parallel which supports 2MWh capacity.



DC Coupled Energy Storage System



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Battery module	Module Voltage	51.2V
	Rated capacity	280Ah
	Pack	1P16S
	BMU inside	1
	Dimension (W*D*H)	390*750*230
	Weight	~115±5kg
	Cooling mode	Forced air cooling
	Power Terminal	M8 Screw
Battery Energy Storage System	Voltage Range(V)	627.2~784V
	Series & Parallels	1P-224S
	Rated Voltage(V)	716.8
	Rated Capacity(Ah)	280
	Rated charge/discharge current(A)	140/140
	Rated Energy(kWh)	200.7
	Usable Energy(kWh)	180.63
	Maximum Discharge Current(A)	250
	Maximum Charge Current(A)	140
	Discharge cut-off voltage(V)	627.2V
	Max. Charge voltage(V)	784V
	Recommended Charge type	784V, CC-CV to current <0.05CA
	Cycle life (@25 °C , 0.5C/0.5C,80%DOD)	> 6000
	Dimension (W* D* H)	1100*1100*2340mm
	IP Grade	IP54
	Total Weight (Kg)	Approx.2300
	Battery Thermal Management	Industrial air conditioner, 3kW cooling capacity
	Operating temperature	-5 ~ 55°C
	Operating humidity	5%~95%R.H.
	Communication	CAN/RS485
Dry Contact	Integrated	
LCD Screen monitor	Integrated with the BSMU panel. Touch screen, check battery data & setup parameters	