

COSPOWERS BATTERY

50kW/100kWh 100kW/200kWh Lithium battery energy storage system cabinet



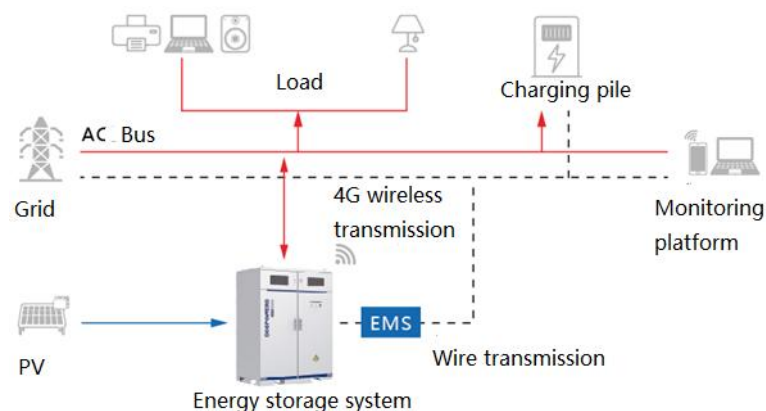
Product introduction

50kW/100kWh lithium battery energy storage outdoor cabinet is a high-tech product developed by Shenzhen Coslight for small industrial and commercial energy storage. It integrates lithium battery system, PCS, EMS management, supporting multiple work modes, and is suitable for the backup power supply, peak load shifting, electrical energy storage, new energy access and other application scenarios.

Product features

- Flexible configuration, strong expansibility, supporting multiple groups in parallel;
- With PACK modular standard design, they can be freely combined, easy for O&M;
- Equipped with perfect protection function, and equipped with fire protection, access control, thermal management and other systems;
- Touch LCD displays all kinds of parameters, records, status, alarm and other contents;
- One machine with multiple functions, supporting multiple working modes;
- Three-level BMS management, from cell to system, to ensure the safe and reliable operation of the system;
- Supporting wired or wireless 4G communication to realize remote monitoring.

Topological graph



Technical parameters

		50kW/100kWh	100kW/200kWh
DC side parameters	DC channels	1 channel	1 channel
	Maximum DC bus voltage(V)	900	1000
	Maximum DC side current (A)	200	176
	Dc voltage operating range(V)	200-900	560-1000
AC grid-connected parameters	Maximum input apparent power(kVA)	50	100
	Maximum input active power (kW)	50	100
	Rated input voltage (V)	220/380, 3P4W+PE	220/380, 3P4W+PE
	Maximum continuous input current (A)	86A	152A
	Rated input frequency (Hz)	50	50
AC off-grid parameters	AC off-grid voltage (V)	220/380, 3P4W+PE	220/380, 3P4W+PE
	Maximum continuous output current (A)	86A	152A
	AC off-grid frequency (Hz)	50Hz	50Hz
Battery parameters	Battery type	LFP	LFP
	Rated energy	100KWh	224kWh
	Nominal voltage	358.4V	672V
	Operating voltage range	313-392V	588-735V
	Rate	≤0.5C	≤0.5C
System parameters	HMI	8 inch LCD touch screen	8 inch LCD touch screen
	Fire-fighting system	Perfluorohexanone	Perfluorohexanone
	Cooling system	Industrial grade air conditioner/intelligent air cooling	Industrial grade air conditioner/intelligent air cooling
	Operating temperature	0°C-55°C	0°C-55°C
	Protection level	IP54	IP54
	Size	< 1350mm*1100mm*2350mm	< 1600mm*1100mm*2100mm
	Weight	< 1200KG	< 3000KG



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