

241kWh On Grid Liquid-cooled ESS



Features

Efficiency & Flexibility

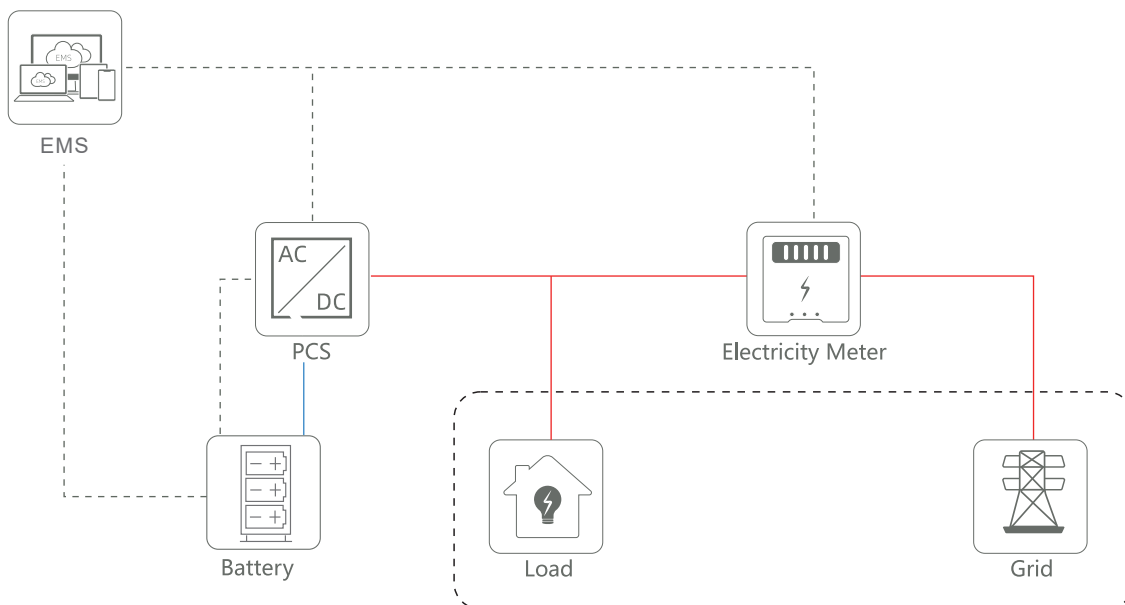
- Excellent noise suppression delivers a quiet operating environment.
- Supports parallel operation of multiple units, facilitating future capacity expansion.

Energy & Space Saving

- Optimized footprint with reduced energy density for significant land use savings.
- Lower operational energy consumption ensures outstanding economic benefits.

Intelligent & Safe

- Multiple safety protection mechanisms enable intelligent risk prevention and control.
- Supports peak-valley arbitrage, effectively cutting electricity costs.



Communication - - - - - AC ——— DC ———

The equipment within the frame does not belong to the energy storage system



IEC 62619

MSDS

UN38.3

Model	BATT-CI-125/241-L1
Application	On-grid
Battery Parameters	
Cell Type	LFP 3.2V/314Ah
Battery Module	48S1P/48.23kWh
System Configuration	240S1P
Rated Voltage	768V
Voltage Range	648~864V
System Energy	241.15kWh
Charge/Discharge Rate	0.5P
Cycle Life	7000
AC Output Parameters	
Rated Power	125kW
Rated Voltage	400V
Rated Current	181A
Operating Frequency	50Hz/60Hz
Power Factor	0.9 Leading~0.9 Lagging
System Parameters	
System Efficiency	88%
Thermal Management	Liquid-cooled
Fire Protection System	Aerosol
Operating Temperature	-20~+55°C(>45°C Derating)
Operating Humidity	0~95%(Non-condensing)
Operating Noise	≤60 dB(A)@3 m
Max. Operating Altitude	4000m (>2000m Derating)
Ingress Protection	IP55
Communication Method	Ethernet,4G
Weight	2.6T
Dimensions(W*D*H)	1040*1472*2154mm
Certification Standards	UN38.3,MSDS,IEC 62619,EN 62477,IEC 62933-5-2,EN IEC 61000-6-2/4, G99,G100,VDE-AR-N 4105,VDE-AR-N 4110/4120,EN 50549-1&2/10, C10/11,NRS 097-2-1,TOR,IEC 62116/IEC 61727,MEA,PEA,UNE 217001, UNE 217002,NTS 631,AS4777

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