

241kWh On Grid Air-cooled ESS



Features

Efficient & Flexible

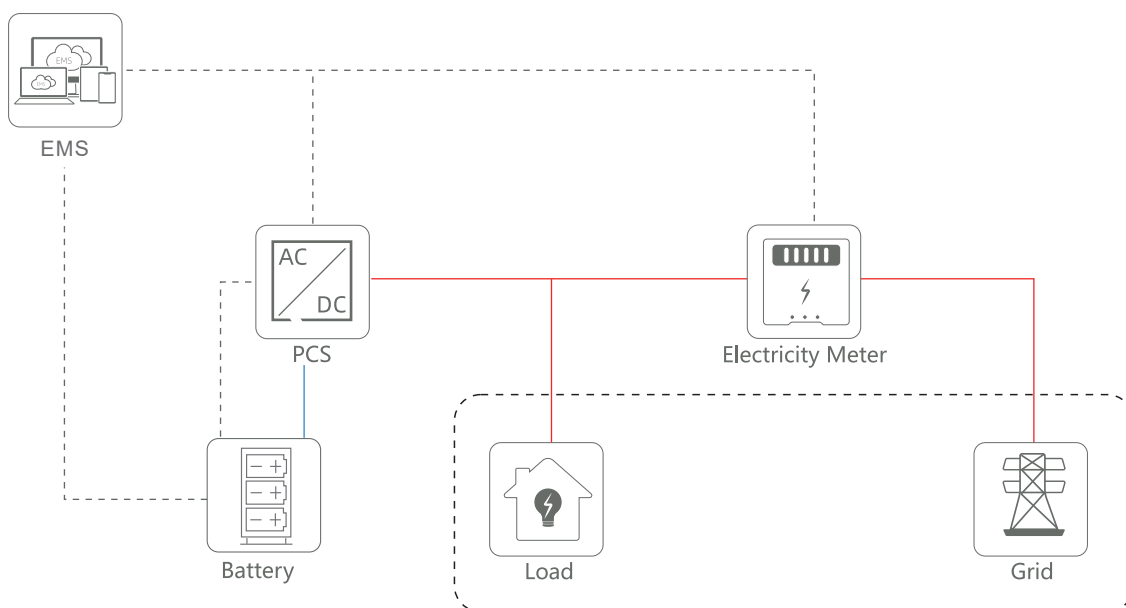
- Standardized cabinet design allows flexible outdoor deployment
- Supports multiple parallel units for easy expansion and upgrades

Stable & Reliable

- Capable of long-term stable operation at 105% rated power
- Dual-layer BMS actively monitors and balances battery temperatures

Smart & User-friendly

- Smart EMS enables remote monitoring and intelligent O&M
- Supports peak-valley arbitrage, reducing overall energy costs



Communication - - - - -

AC ———

DC ———



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

Model	BATT-CI-100/241
Application	On-grid
Battery Parameters	
Cell Type	LFP 3.2V/314Ah
Battery Module	20S1P/20.09kWh
System Configuration	240S1P
Rated Voltage	768V
Voltage Range	648~864V
System Energy	241.15kWh
Charge/Discharge Rate	0.5P
Cycle Life	6000
AC Output Parameters	
Rated Power	100kW
Rated Voltage	400V
Rated Current	151~167A
Operating Frequency	50Hz/60Hz
Power Factor	0.9 Leading~0.9 Lagging
System Parameters	
System Efficiency	91%
Thermal Management	Air-cooled
Fire Protection System	Aerosol
Operating Temperature	-20~+55°C (> 45°C Derating)
Operating Humidity	0~95% (Non-condensing)
Operating Noise	≤75 dB(A) @3 m
Max. Operating Altitude	4000m (> 2000m Derating)
Ingress Protection	IP54
Communication Method	Ethernet
Weight	2.6T
Dimensions(W*D*H)	1520*1480*2000mm
Certification Standards	UN38.3,MSDS,IEC 62619,EN 62477, EN IEC 61000-6-2/4,EN 62109-1/2, G99,VDE-AR-N 4105,VDE-AR-N 4110/4120, EN 50549-1/10,EN 50549-2/10,C10/C11, NRS 097-2-1,IEC 62116/IEC 61727,TOR, NA/EEA-NE7-CH,AS4777.2,PPDS,MEA,PEA, UNE 217001,UNE 217002,NTS 631-A,NTS 631-B

Shenzhen Huaxing New Energy Technology Co., Ltd.

Address: NO.18, Mingcheng Road, Shijing Community, Shijing Street, Pingshan District, Shenzhen, China
Tel.: +86 400 110 0368 Email: info@battlink.com Web: www.battlink.com