

EAST-Meta 1000VC&I

All-in-one Battery Energy Storage System

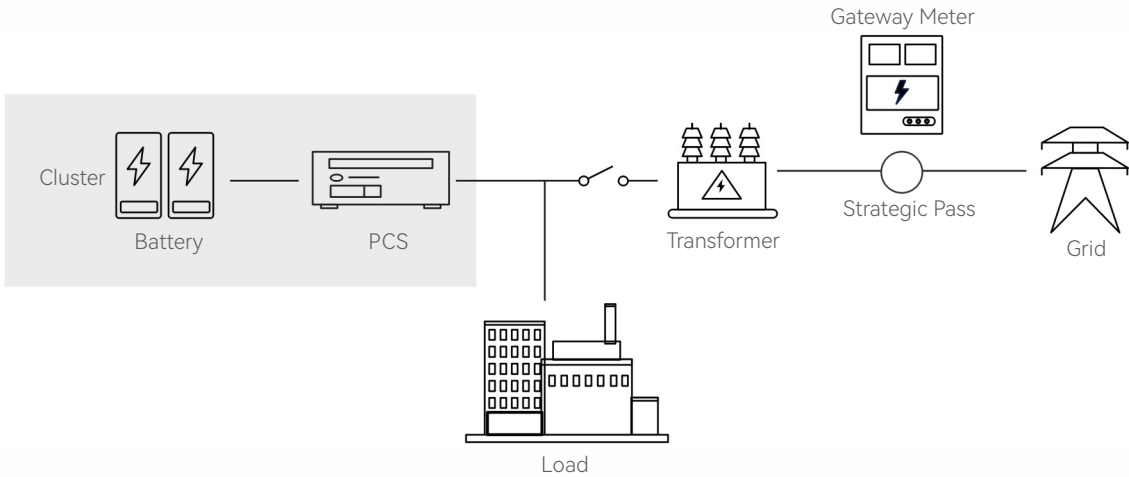
EASS125kW / 261kWh-C



Product Advantages

- Intelligent group series architecture, one cluster one management PCS three level topology, whole machine energy conversion efficiency >90%
- Liquid cooling temperature control, battery temperature difference <3℃
- Auxiliary power consumption is reduced by 30%, the system life is extended by 2 years
- All in one design, landing is grid connection
- No debugging of high energy density cell, system area reduced by 40%, no transformer design, lightweight
- Online monitoring of cloud platform, real-time warning of system faults, support remote and local upgrade of key equipment
- Intelligent maintenance and high-precision BMS

Topology



Model	EASS125K/261kWh-C
DC-side	
Cell	3.2V/314Ah
System Battery Configuration	1P260S
Battery Rated Capacity	261kWh
Rated Voltage	832Vdc
Battery Voltage Range	728~936V
AC-side	
Rated AC Active Power	125kW
AC Current Distortion Rate	≤3%
Nominal AC Voltage	400V
Grid Voltage Range	-20%~+15%
Power Factor	98.50%
Rated AC Grid Frequency	50/60Hz
Grid Frequency Range	50/60Hz(-5Hz~+5Hz)
Overload Capacity	110%
System Parameters	
Dimensions (W×H×D)	1000x2350x1350mm
Weight	≤2200kg
AC Wiring Mode	Three Phase Four Line
System Efficiency	≥98.5%
Charge and Discharge Rate	0.5P
Cycles	≥6000@25℃
Protection Degree	Battery Protection@IP67, PCS Protection@IP66, System Protection@IP54
Operating Temperature Range	-30℃~55℃
Operating Humidity Range	0~95%RH(No Condensation)
Max. Operating Altitude	3000m
Battery Cooling Method	Liquid Cooling
Fire Protection System	Perfluorohexanone(PACK Grade)+Active Monitoring+Water Firefighting
System Communication Interface	LAN, RS485, TCP/IP, ICE61850
Certification	UL9540A-2023, IEC 62619-2022, IEC 63056-2020, IEC/EN 62477-1-2023, IEC62933-1-2024, UL1973-2022, UN38.3, UL1973-2022, IEC 61000-6-2-2016, IEC 61000-6-4-2018, EN 50549-2/-10, VDE 4110, VDE 4120, CIO/11, CEI016