

# EAST-Meta 1000VC&I

## All-in-one Battery Energy Storage System

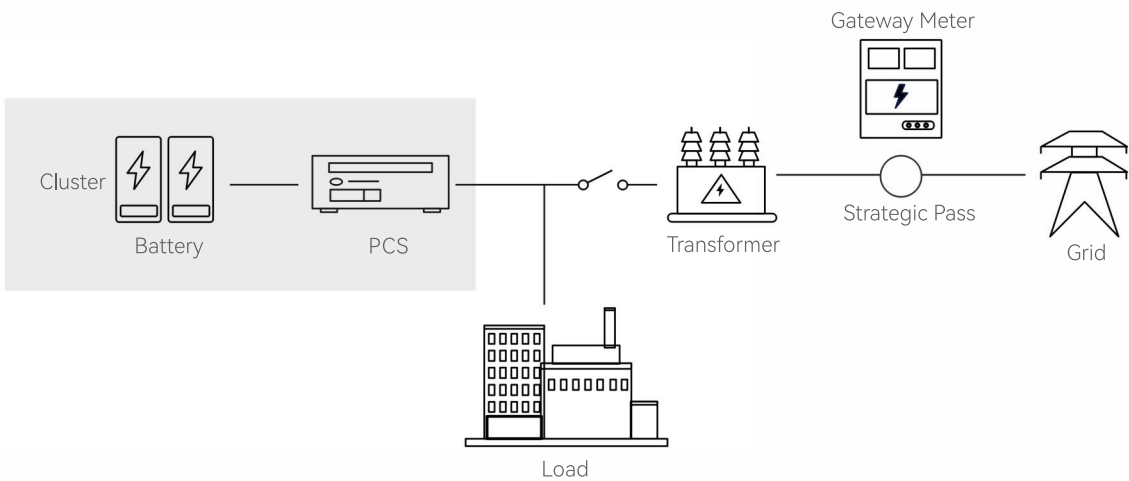
EASS125kW / 261kWh-C



### 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



System Model	EASS125K/261kWh-C
DC-side	
Battery Type	LFP3.2V314Ah
Rated Capacity	261kWh
Rated Voltage	832Vdc
Voltage Range	728~936Vdc
Batteries Cluster into Groups	260S1P
Grid-connected AC-side Parameters	
Power Rating	125kW
Rated Voltage	400Vac
Rated Frequency	50/60Hz
Voltage Range	400Vac(-20%~+15%)
Frequency Range	50/60Hz(-5Hz~+5Hz)
Total Current Harmonic Distortion Rate	≤3%
Power Factor	98.50%
Overload Capacity	110%
Off-grid AC-side Parameters	
Rated Power	125kW
Rated Voltage	400Vac
Rated Frequency	50/60Hz
Voltage Harmonic	≤3%
System Parameter	
AC Wiring Mode	Three Phase Four Line
System Efficiency	≥98.5%
Cooling-down Method	Liquid Cooling
Charge and Discharge Rate	0.5P
Cycles	≥6000@25℃
Fire Protection System	Perfluorohexanone(PACK Grade)+Active Monitoring+Water Fire Protection
Operating Temperature	-30~55℃
Relative Humidity	0~95%RH, No Condensation
Elevation	<3000m(Drop Over 3000m)
Communication Interfaces	LAN, RS485, TCP/IP, ICE61850
IP Protection Grade	Battery Protection@IP67, PCS Protection@IP66, System Protection@IP54
Weight(kg)	≤2200
Cabinet Size(mm)	1000x1350x2350
Approval Standards	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, C10/11, CEI016