

eMPack 233AC

125kW/233kWh Liquid-Cooled BESS

Highly Integrated: Combines an all-in-one design with high power density, requiring minimal space and offering flexible transportation and installation.

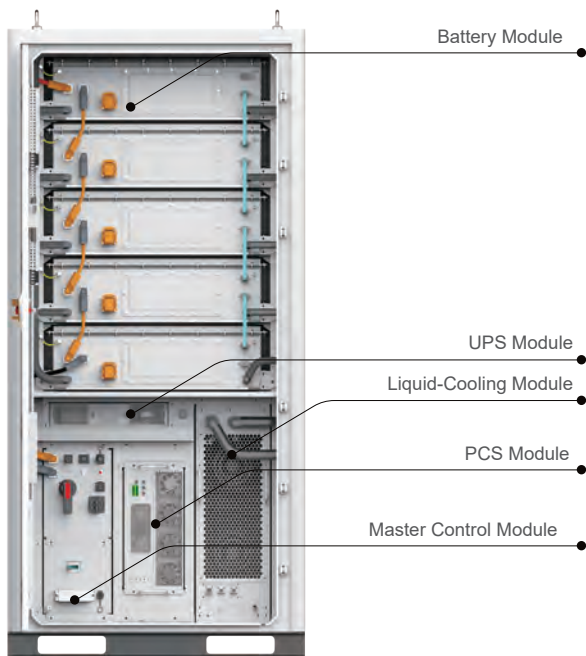
Safety & Reliability: Features comprehensive battery monitoring, multi-level fire prevention, top venting design, and proactive AI management to ensure maximum safety and reliability.

Efficient & Flexible: Boasts a modular structure with high-efficiency liquid cooling, adaptable to extreme environments, maximizing battery life and performance.

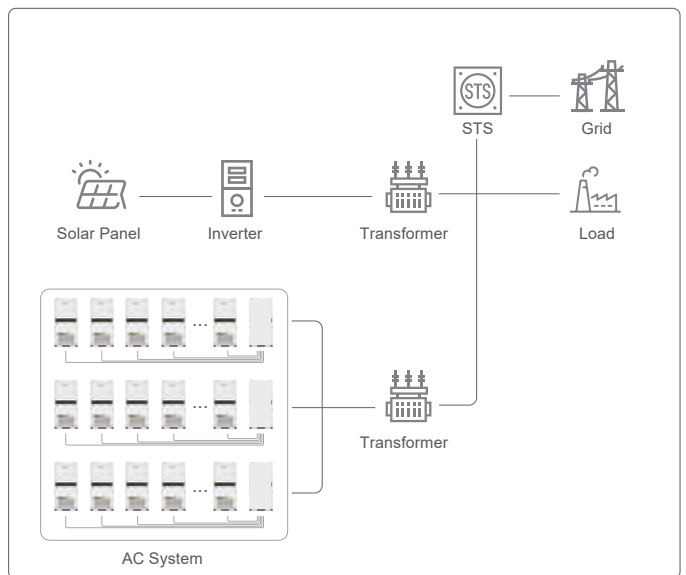
Intelligent Operation & Maintenance: Equipped with a full EMS for easy upgrades, big data-managed inspection, proactive handling, and intelligent SOC calibration for optimal performance without downtime.



System Demonstration



System Layout



Application Scenarios



Battery Energy Storage

Cell Type	LFP 3.2V / 280AH
Module Combination	1P52S
System Combination (Modules)	5 in series
Capacity (kWh)	233
Nominal Voltage (V)	832
Operation Voltage Range (Vdc)	761~923
Discharge Depth	90% DoD
Thermal Management Mode	Liquid Cooled
Thermal Control Management	Aerosol Extinguishing

AC Output

Rated AC Output Power(kW)	125
Max. AC Output Power(kVA)	137.5
Rated Output Voltage(Vac)	480
Output Voltage Range(Vac)	-15%~+10%(settable)
Rated Grid Frequency(Hz)	60(settable)
Max. Output Current(A)	165.4
Adjustable Power Factor	>0.99
THDi	<3%

System Characteristics

Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	10 Year with optional 15 year*
Certifications	IEC 62619, EN 61000-6-1/2/3/4 EN 62019-1/2, UL1973, UL9540A UL9540, UN38.3

System Characteristics

Dimensions (W*D*H)	1100*1450*2320mm / 43*57*91.3in
Total Weight	2950kg / 6503lb
Operation Altitude	2000m / 6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-20°C to 55°C
Operating Humidity	0 to 95%
(RH) Storage Conditions	-20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial



Packaging & Shipping Details

