

COMMERCIAL & INDUSTRIAL ENERGY STORAGE SOLUTION



233KWH LIQUID-COOLING BATTERY

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At Spitzer Energy, we are committed to providing innovative, reliable, and cost-effective energy storage solutions to customers worldwide. We believe that sustainable energy is the key to the future, and we are passionate about reducing carbon emissions and protecting the planet for future generations. That's why we prioritize extensive research and development, utilizing cutting-edge technologies to create energy storage systems that are efficient, scalable, and adaptable.

Our products are designed to cater to a variety of needs, from residential and commercial buildings to industrial facilities and large-scale utility projects. Whether you're aiming to cut energy costs, boost your energy independence, or achieve sustainability goals, Spitzer Energy has the perfect solution for you.

Our unwavering commitment to quality and customer satisfaction drives us to work closely with clients to understand their specific requirements, delivering tailored solutions that exceed expectations. Additionally, we offer comprehensive technical support, maintenance, and warranty services to ensure our customers get the most out of their investment.



Technical Specifications

Spitzer Energy Commercial & Industrial t Storage Solution

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 cooling
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 Characteristic

Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	3 years free, paid from the 4th to the 15th year
Certifications	IEC 62619, EN 61000-6-1/2/3/4 EN 62019-1/2, UL1973, UL9540A UL9540, UN38.3

General Parameters

Battery Model	R-MP233125A1-US
Dimensions (W*D*H)	1100*1450*2320mm / 43*57*91.3in
Total Weight	2860(±5)kg / 6305(±11)lb
Operation Altitude	2000m / 6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-20°C to 55°C
Operating Humidity (RH)	0 to 95%
Storage Conditions	-20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial

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

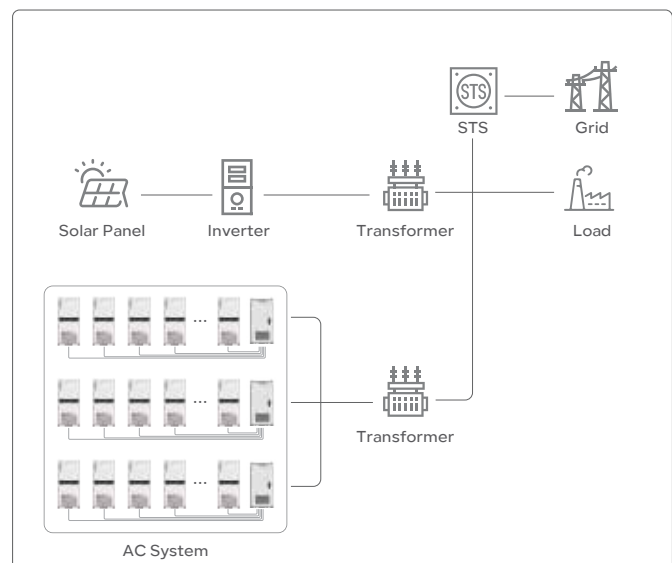
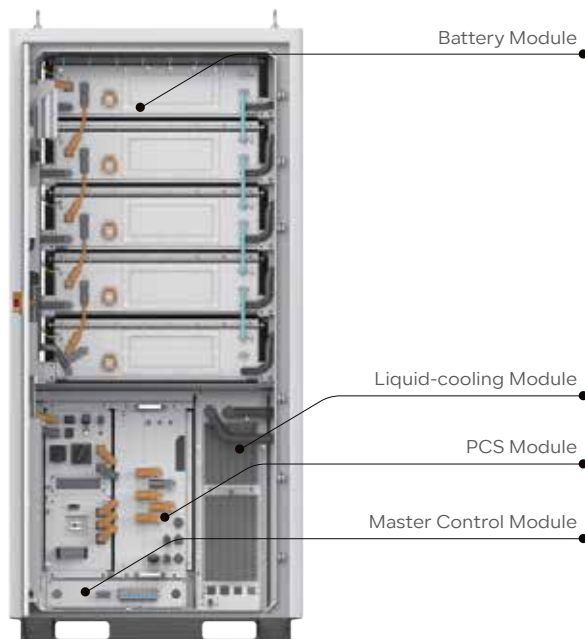
Safety & Reliability: Features comprehensive battery monitoring, multi-level fire prevention, top venting design, and proactive AI management to ensure maximum safety and reliability.

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 Layout



Application Scenario

