

# MPack 233A

## 233kWh Liquid-Cooling Battery

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

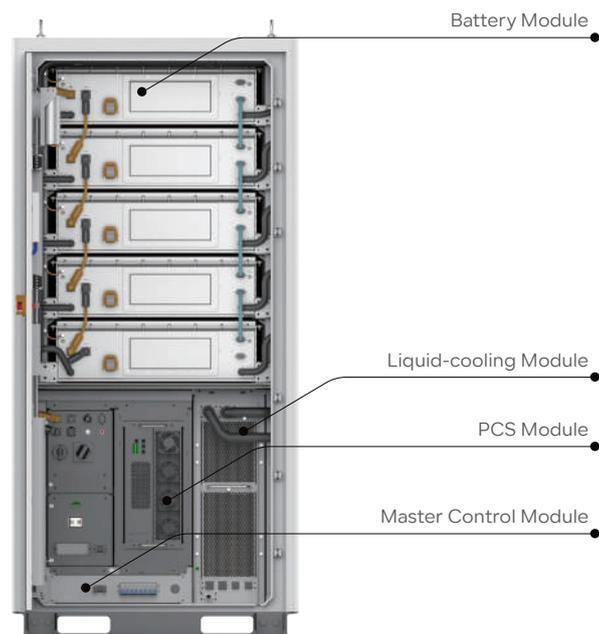
**Safety & Reliability:** Features comprehensive battery monitoring, multi-level fire prevention, top venting design, and proactive AI management to ensure maximum safety and reliability.

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

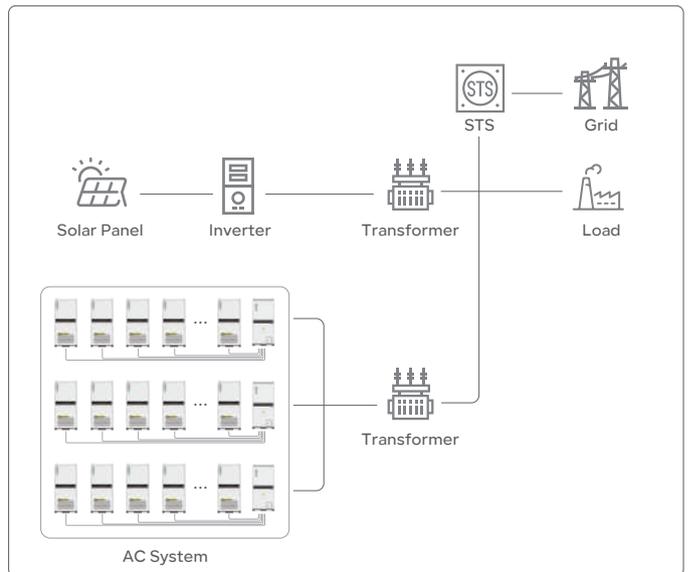
**Intelligent Operation & Maintenance:** Equipped with a full EMS for easy upgrades, big data-managed inspection, proactive handling, and intelligent SOC calibration for optimal performance without downtime.



### System Demonstration



### System Layout



### Application Scenario



FARM & RANCH



SUPERCOMPUTING



MANUFACTORY

## Battery Energy Storage

Cell Type	LFP 3.2V/280AH
Module Combination	1P52S
System Combination	5 modules 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)	150
Rated Output Voltage(Vac)	400
Output Voltage Range(Vac)	-15% - 10%(settable)
Rated Grid Frequency(Hz)	50/60
Max. Output Current(A)	182
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	IEC62619, UL1973, UL9540A, UL9540 EN 61000-6-1/2/3/4, EN 62109-1/2

## General Parameters

Battery Model	R-MP233125A1-EU
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



## ■ Packaging & Shipping Details

