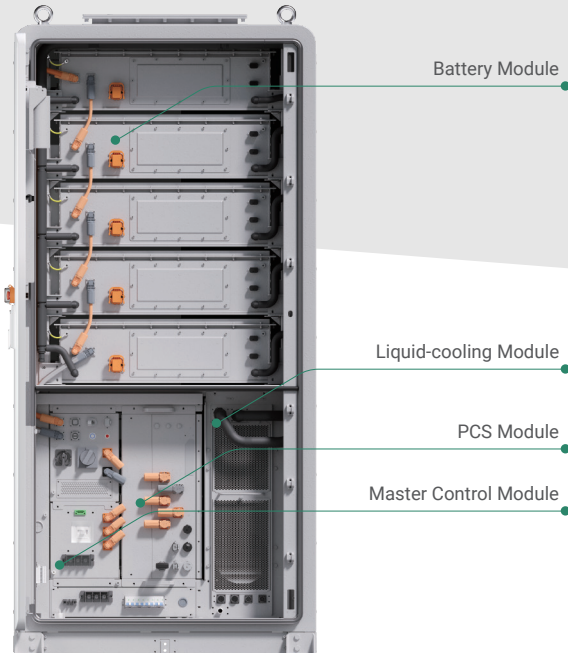
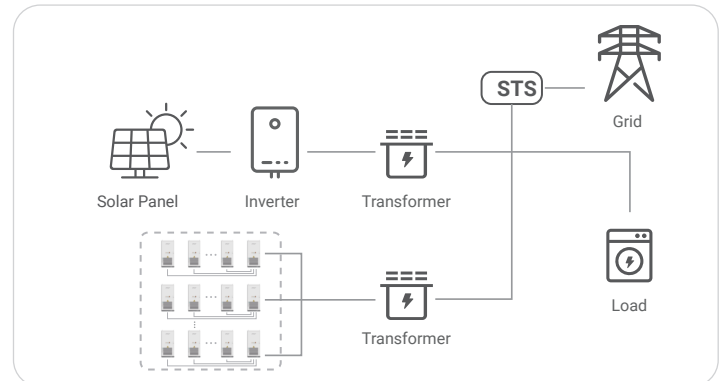


PowerBase MEGA-233A

233kWh liquid cooling Battery



System Layout



Key Features



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.



Long Life Cycle

Offers over 8000 cycle times with a lifespan exceeding 15 years, supported by laser welding for enhanced durability.



Efficient & Flexible

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



Intelligent Operation

Equipped with a full EMS for easy upgrades and big data-managed inspection, ensuring proactive handling and optimal performance.

SOC

Maintenance Optimization

Incorporates intelligent SOC calibration to minimize downtime and enhance overall operational efficiency.

■ Main Parameters

Battery Energy Storage	PBM233125A1-EU	PBM233125A1-US
Single 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)	702~949	
Discharge Depth	90% DoD	
Thermal Management Mode	liquid cooling	
Thermal runaway management	Aerosol Extinguishing	
AC Output		
Rated AC output power(kW)	125	125
Max. AC output power(kVA)	150	137.5
Rated output voltage(Vac)	400	480
Output voltage(Vac) range	-15%~10%(settable)	-15%~10%(settable)
Rated grid frequency(Hz)	50/60Hz(settable)	60Hz(settable)
Max. output current(A)	182	165.4
Adjustable power factor	>0.99	>0.99
THDi	<3%	<3%
DC Input/Output		
Max. Power (kW)	250	
Voltage Range (V)	761~923	
Max. Current (A)	320	
System Characteristic		
Communication Interface	CAN, RS485, Wi-Fi, LTE	
Warranty	3 years free, paid from the 4th to the 15th year	
Certifications	IEC62619/UN38.3/IEC/EN 62477-1, IEC EN/61000-6-2, IEC/EN 61000-6-4	UL1741, CSA C22.2 No 107.1, IEEE1547/UL1973/UL9540/UL9540A
General Parameters		
Dimensions (W*D*H)	1100*1450*2350mm / 43*57*92.5in	
Total Weight	2630(±10%)/5798(±10%)	
Operation Altitude	≤4000m(2000m derating)	
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

