

POWERTRONIK

POWER accESS

261kWh Liquid-Cooling Battery

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

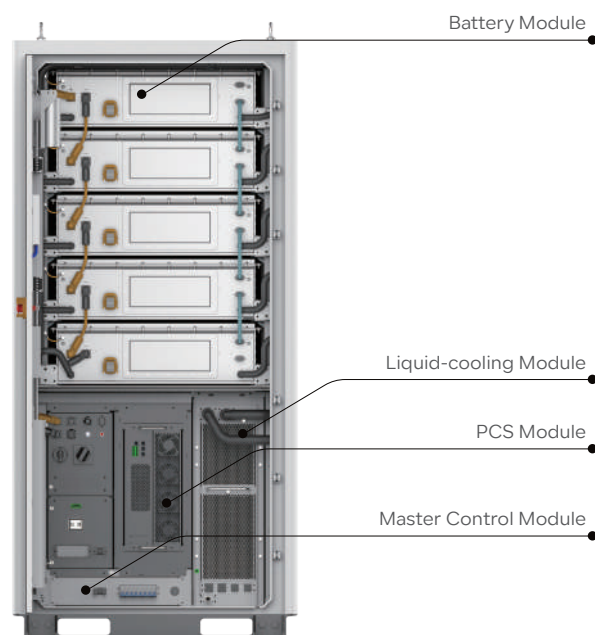
Safety & Reliability: Features comprehensive battery monitoring, multi-level fire prevention, top venting design, and proactive AI management to ensure maximum safety and reliability.

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

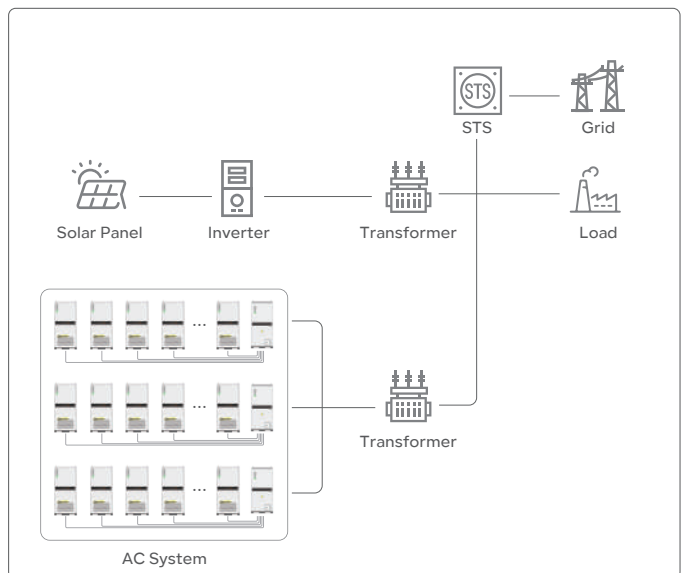
Intelligent Operation & Maintenance: Equipped with a full EMS for easy upgrades, big data-managed inspection, proactive handling, and intelligent SOC calibration for optimal performance without downtime.



System Demonstration



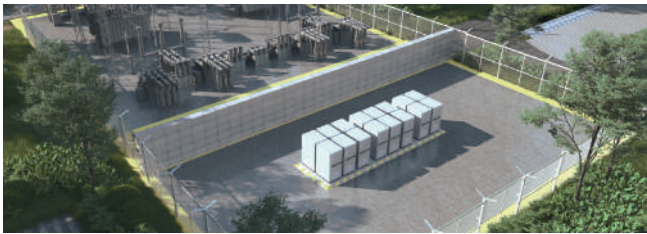
System Layout



Application Scenario



Battery Energy Storage		System Characteristic	
Cell Type	LFP 3.2V/314AH	Communication Interface	RS485, Ethernet
Module Combination	1P52S	Warranty	3 years free, paid from the 4th to the 10th year
System Combination	5 modules in series	Certifications	IEC62619, IEC60730, IEC61000, EN 62477, EN50549, VDE4105, VDE4110, VDE 4120, UN38.3, UN3480
Capacity (kWh)	261.248		
Nominal Voltage (V)	832		
Operation Voltage Range (Vdc)	728~936		
Discharge Depth	90% DoD		
Thermal Management Mode	liquid cooling		
Thermal Control Management	Aerosol Extinguishing		
AC Output		General Parameters	
Rated AC Output Power(kW)	125	Battery Model	PTR-PA-261-125
Max. AC Output Power(kVA)	150	Dimensions (W*D*H)	1400*1400*2200mm
Rated Output Voltage(Vac)	400	Total Weight	2500(±5%)kg
Output Voltage Range(Vac)	-10%+10%(settable)	Operation Altitude	2000m / 6561ft
Rated Grid Frequency(Hz)	50/60	Noise Level @1m	<75 dB(A)
Max. Output Current(A)	180	IP Rating	IP54, (IP55 for battery component)
Adjustable Power Factor	>0.99	Operating Temperature	-20℃ to 45℃
THDi	<3%	Operating Humidity (RH)	0 to 95%
		Storage Conditions	-20℃ to 35℃ Up to 95% RH, non-condensing State of Energy (SoE): 50% initial



Packaging & Shipping Details

