

# Specifications

Model	PotisBank-L5.0 -1500-0.5P
<b>System Parameters</b>	
Cell type	LFP
Rated Power	5015.96 kWh
Battery Rated Voltage	1331.2 V
Battery Voltage Range	1164.8 V~1500.0 V
Max. System Efficiency	94%
Charge & Discharge Rate	0.5 C
Cooling Method	Liquid Cooling
Max. operating altitude	≤2000 m
Operating temperature range	-40 ~ +60 °C
Relative operating humidity	0%-95%, RH
Ingress Protection	IP55
Communication Interface	Ethernet/RS485/CAN
Communication Protocol	Modbus TCP / Modbus RTU / CAN 2.0
Fire Control	Aerosol + water spray
Weight	42 t
Dimension (W*D*H)	6058*2438*2896 mm
Certifications	IEC/EN62619, IEC/EN61000, FCC Part15, IEC/UL60730, UL1973, UL9540A, UN38.3, IEC/EN62477, UL9540, UN3536



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official distributor of

**Potis Edge**

# Utility-scale Liquid Cooling ESS

PotisBank-L5.0



**Potis Edge**

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# High Voltage Liquid Cooling ESS PotisBank-L5.0

Relying on the full-stack self-research for core technologies, we have created the PotisBank-L5.0 liquid cooling energy storage system featuring high-efficiency and high-stability. Aiming to meet the key technology requirements in the "generation, transmission, distribution and utilization" of the power system, we provide global power users with full-scenario application solutions with more advanced technology and better service.



**Energy Efficient**  
Long cycle life of up to 7,000 cycles helps customers reduce power costs.

**Flexible Configuration**  
Individual energy capacity for each 20-foot standard container. Support shoulder-to-shoulder and back-to-back layout.

**Safe and Reliable**  
Excellent thermal management to maintain the battery temperature difference  $\leq 3^{\circ}\text{C}$ . Multi-level safety protection system.

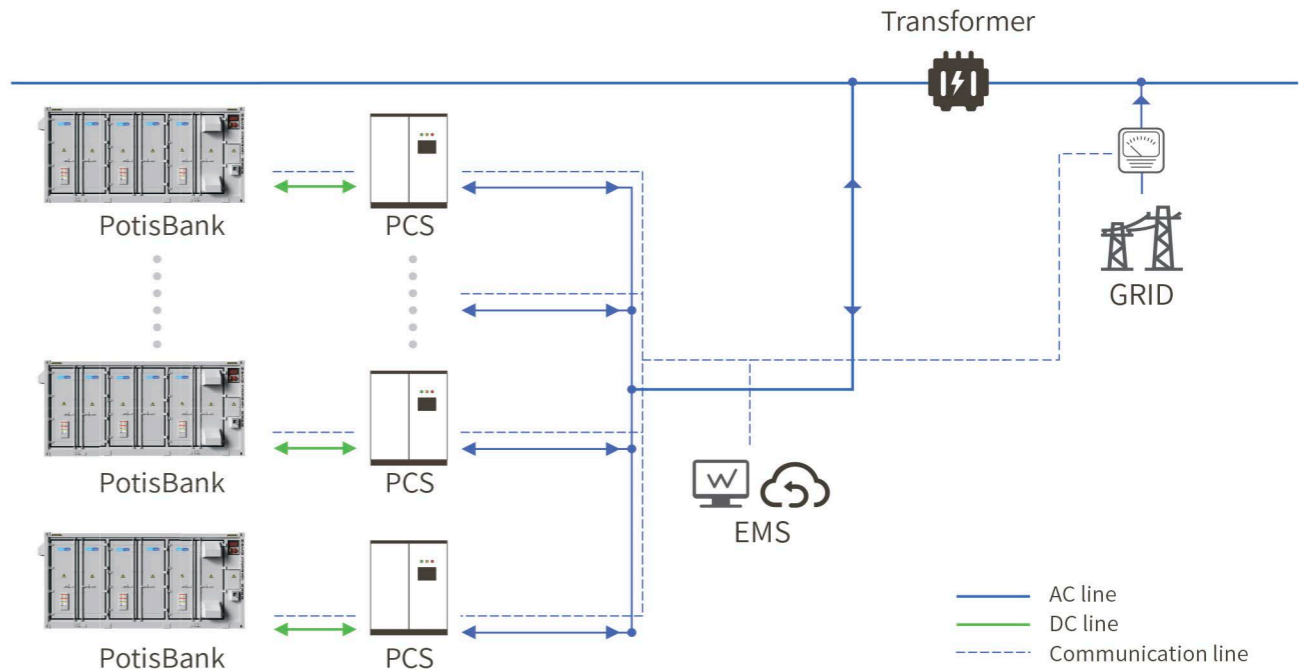
## Ultra-high Energy Density

Equipped with high energy density battery, achieving 20HQ power of 5.0MWh.

3MWh 29.7m<sup>2</sup>      5MWh 17.4m<sup>2</sup>

Energy density up to **170%**

# System Topology



# Application Scenarios

**Zero Carbon Park**  
Peak shaving and valley filling, reliable power supply

**Commercial Complex**  
Backup power, ensure energy independence

**PV, Storage and Charging Integration**  
Optimal control for power flow, reduce O&M costs

**Off-grid Energy Storage**  
Build microgrid for areas without electricity