

Turtle Series Container ESS



Brand New Release | 6.25MWh

High Density | Cost-Efficient | All-Weather Reliability



◆ Applications

Utility-Scale Renewable Integration

Industrial & Commercial ESS

Remote/Off-Grid Power

Emergency Energy Storage

◆ Key Highlights

High Energy Density

Utilizing long-life, zero-degradation battery cells with a density of **430Wh/L**, this energy storage solution delivers high performance in a compact 20-foot container.

Global Compatibility

Meets **99% of global transport standards** — 8 containers can build a **50MWh** storage system, offering unmatched scalability.

Space & Cost Efficiency

30% higher energy density per unit area and 20% reduction in land usage, with **15% lower system integration costs** through simplified design.

All-Weather & Reliable

Operates from **-20°C to 60°C** and at **4000m altitude**, with **IP55 protection**, ensuring robust performance in diverse conditions.

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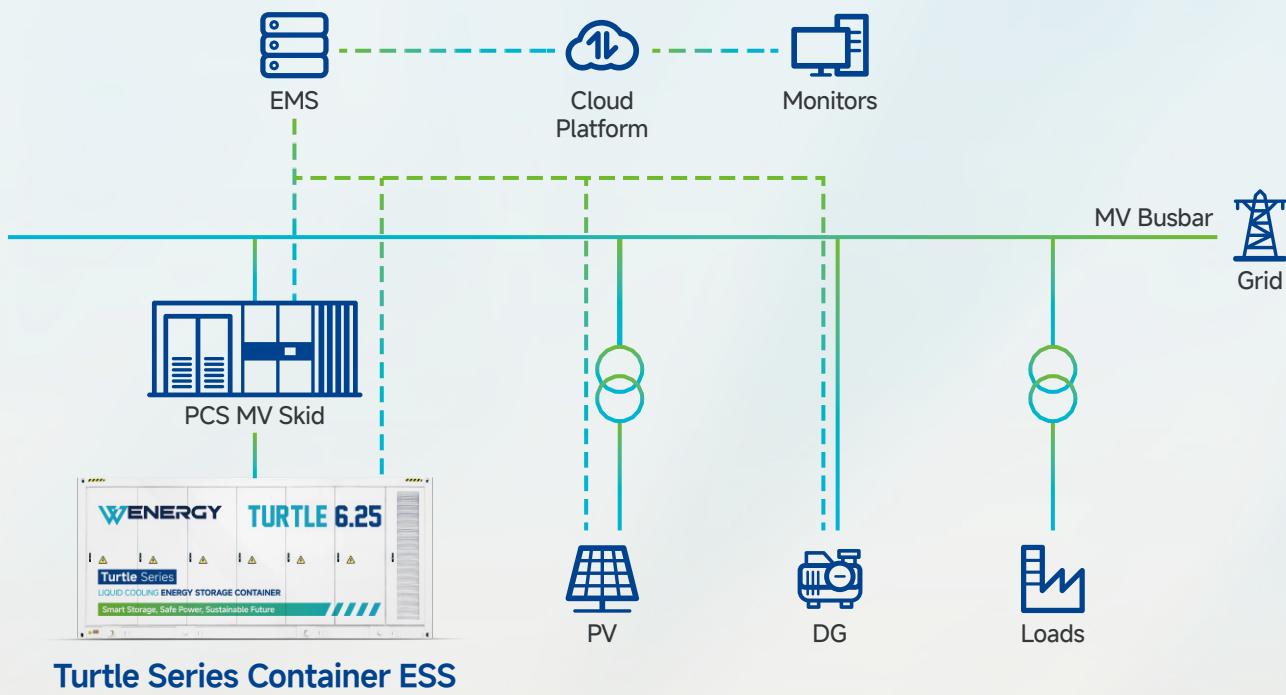
WhatsApp

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◆ Product Parameters

	Model	Turtle CL6.25
System Parameters	Rated Energy	6.25MWh
	Max. Efficiency of System	> 90%
	Operation Temp. Range	-30~55°C (>45°C Reduction)
	Operation Humidity Range	≤95%
	Auxiliary Power Supply	Self-powered / External-powered
	Noise	≤75dB
	Max. Cycle Times	≥8000
	Max. Working Altitude	4000m (Greater than 2000m Reduction)
	Cooling Type	Intelligent Liquid Cooling
	Fire Safety Configuration	Pack & Cluster-level Aerosol, Cluster-level Water Fire Protection & Active Warning
	Protection Level	IP55
	Communication Interface	RS485/CAN
DC Parameters	Communication Protocol	Modbus TCP/CAN2.0
	Battery Type	LFP 3.2V / 587Ah
	Battery Packing Method	8*1P416S
	DC Voltage Range	1164.8~1497.6
Mechanical Parameters	DC Protection	Contactor + Fuse
	Dimension (W*D*H)	6058*2438*2896mm
	Weight	≈ 52T