

Turtle CL2.5 Series



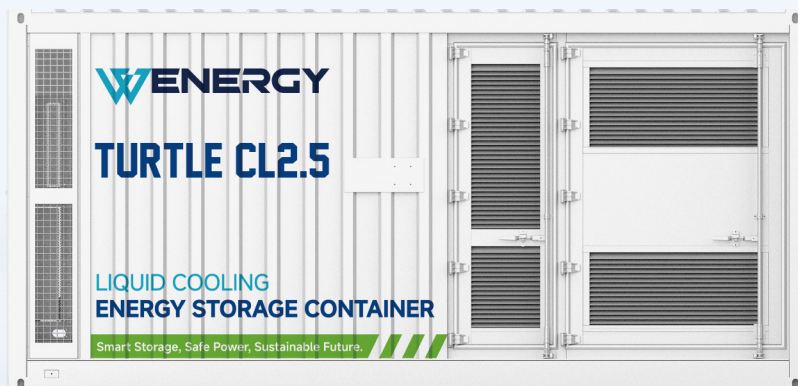
AC/DC Integrated Containerized Energy Storage System

2.5 / 2.089 / 1.67 MWh in a 20-ft Container

A compact, all-in-one energy storage solution delivering reliable power and flexible multi-energy integration.

◆ Typical Applications

- Utility-scale Energy Storage
- PV + Storage / PV + Storage + Diesel Hybrid Systems
- Microgrid Systems
- Commercial & Industrial Backup Power



◆ What Value It Delivers

Uninterrupted Power Supply

Keep critical loads running without interruption.

Flexible Energy Integration

Seamlessly combine grid, storage, PV, and diesel generation.

Stable and High-Quality Power

Reduce harmonics, support unbalanced and overload conditions.

Compact & Efficient

High energy density for more power in less space.

◆ Key Highlights

Continuous and Reliable Power

Integrated STS + ATS system for seamless switching
Supports Grid · Energy Storage · PV · Diesel Generator
Ensures uninterrupted supply for critical applications

High Power Quality

Built-in isolation transformer reduces harmonics
Maintains stable voltage output
Supports demanding industrial and commercial loads

Safe and Stable Operation

Multi-layer protection: electrical, thermal, fire prevention
Prevents thermal runaway propagation
Reliable performance in complex power environments

Compact High Energy Density

Powered by 314Ah LFP battery cells
Up to 2.5MWh in a 20-ft container
Long cycle life, high efficiency, minimal footprint

Telephone

+65 **9622 5139** (SGP) | +86-731 **8256 6160** (CHN) | +1 (0) **949 678 2338** (USA)

WhatsApp

+86 **181 7589 6293**

ADD:

CHN - 38th Floor, North Tower, Jinmao Plaza, Yuelu District, Changsha City, Hunan Province, China

SGP - No.79 Lentor Street, Singapore 786789

USA - 5900 Balcones Drive Suite 100 Austin TX, 78731 USA

ITA - Via Messina 17, 20154 - Milano (MI) - IT

DEU - Am Kronberger Hang 2, 65824 Schwalbach am Taunus, Germany

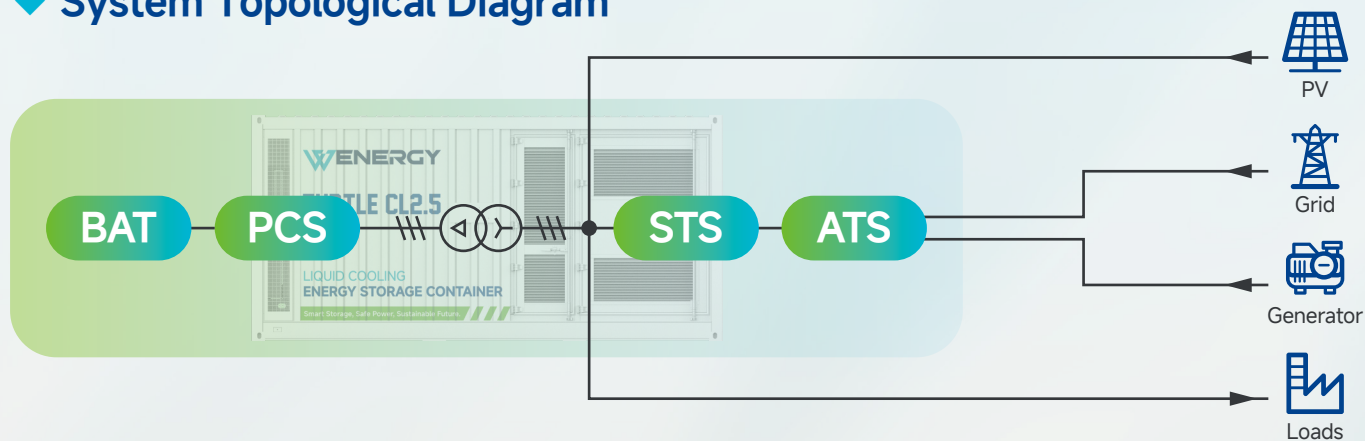
<https://www.wenergystorage.com> | E-mail: export@wenergypro.com

Turtle CL2.5 Series



AC/DC Integrated Containerized Energy Storage System

◆ System Topological Diagram



◆ Product Parameters

	Model	Turtle CL2.5	Turtle CL2.089	Turtle CL1.67
DC Side Parameters	Battery Type	LFP 314Ah	LFP 314Ah	LFP 314Ah
	Configuration	2.507MWh/6P416S	2.089MWh/5P416S	1.67MWh/4P416S
	DC Voltage Range	1164.8V ~ 1497.6V	1164.8V ~ 1497.6V	1164.8V ~ 1497.6V
PCS Parameters	Quantity	6	5	4
	Power	1350kW	1125kW	900kW
Grid/ Diesel Generator Port	AC Rated Input Power	1000kW	1000kW	900kW
	Rated Voltage	380V, 50/60Hz		
PV Port	AC Rated Input Power	1000kW	1000kW	900kW
	Rated Voltage	380V, 50/60Hz		
Load Port	AC Rated Output Power	1000kW	1000kW	900kW
	Rated Voltage	380V, 50/60Hz		
Basic System Parameters	IP Protection Level	IP54 (Battery Compartment)		
	Corrosion-proof Grade	C4H		
	Cooling Type	Intelligent Liquid Cooling (Automatic Refilling Function)		
	Operation Temp. Range	-25°C~55°C		
	Working Altitude	≤2000m (>2000m Derating)		
	Communication Interface	CAN, RS485, Ethernet		
	Dimension(W*D*H)	6058*2458*2896mm		
	Fire Safety Configuration	Aerosol Fire Protection, Smoke/Temperature Detection, Explosion-proof Ventilation		
Weight	27.5t	25t	22.5t	

