

The background of the entire page is a photograph of several white Wenergy storage containers. The containers are labeled 'LIQUID COOLING ENERGY STORAGE CONTAINER' and have QR codes. They are situated on a gravel surface with a brick wall in the background. The image is overlaid with a large blue and green geometric graphic on the right side.

Wenergy Products Album

- ◆ One-stop Energy Solutions
- ◆ Global Agility for Swift Deployment
- ◆ Zero Incidents Record

Telephone

+86-731 **8256 6160** (CHN)

+65 **9622 5139** (SGP)

+1 (0) **949 678 2338** (USA)

WhatsApp

+86 **181 7589 6293**

ADD:

CHN - 25th Floor, North Tower, Jinmao Plaza, Yuelu District,
Changsha City, Hunan Province, China

SGP - No.79 Lenton Street, Singapore 786789

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

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



Wenergy Storage | 

www.wenergystorage.com
export@wenergypro.com

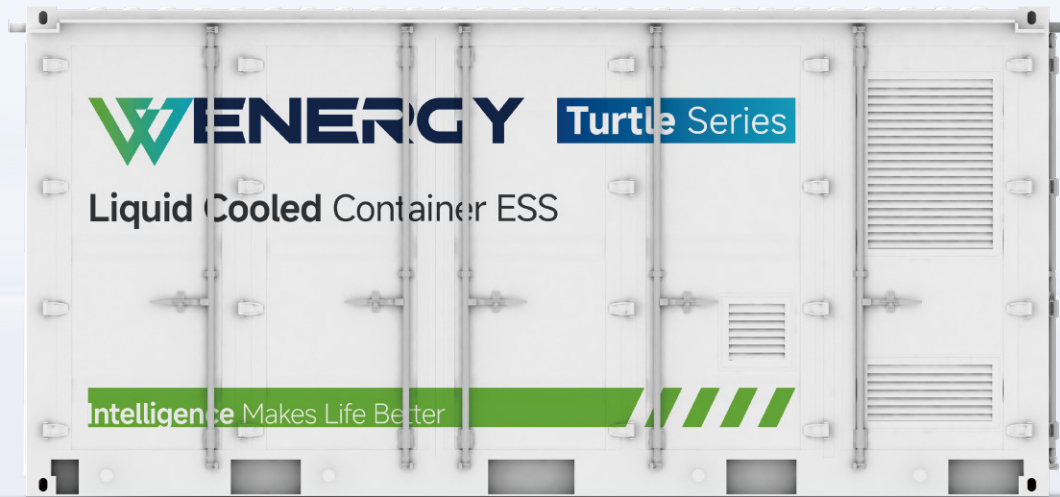
Turtle Series Container ESS

3.44 / 3.85 / 5MWh

Reduced Cost | Increased Efficiency | Safety | Smart



UN38.3



◆ Product Parameters

Model	Turtle 3.44	Turtle 3.85	Turtle 5
Battery Type	LFP 280Ah	LFP 314Ah	LFP 314Ah
Rated Energy	3.44 MWh	3.85 MWh	5.016 MWh
Rated Power	1.725 MW	2 MW	2.5 MW
DC Rated Voltage	1228.8V	1228.8V	1331.2V
DC Voltage Range	1075.2V ~ 1382.4V	1075.2V ~ 1382.4V	1164.8V ~ 1497.6V
Max. Efficiency of System	> 89%		
IP Protection Level	IP54		
Weight	33,000kg	36,000kg	43,000kg
Cooling Type	Liquid Cooling		
Noise	<75 dB (1m away from the System)		
Communication Interface	Wired: LAN, CAN, RS485		
Communication Protocol	Modbus TCP		
System Certification	IEC 62619, IEC 60730-1, IEC 63056, IEC/EN 62477, IEC/EN 61000, UL 1973, UL 9540A, UL 9540, CE Marking, UN 38.3, TÜV Certification, DNV Certification, NFPA855.		

Star Series Cabinet ESS

96 / 144 / 192kWh

Integrated PV, ESS, Diesel,
and EV Charging Capabilities

215 / 258 / 289 / 385kWh

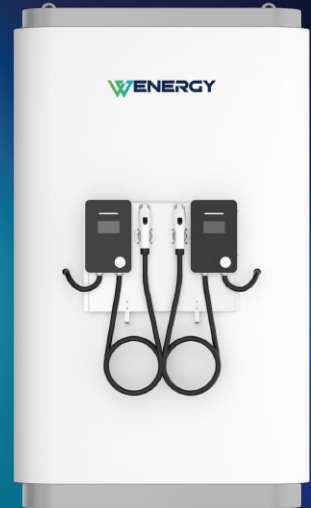
90% System Efficiency
Advanced Protection System
Instant Fire Safety
Smart Monitoring
Flexible Integration
Sleek Design

Your All-in-One
BESS Solution

Optional MPPT, STS, ATS,
and Charging Gun Integration



Star 258/289/385



Star 192



UN38.3



◆ Product Parameters

Model	Star 192		
Rated Energy	96.46kWh	144.69kWh	192.92kWh
DC Voltage Range	240~350.4V	360~525.6V	480~700.8V
Rated Power	125kW		
AC Rated Voltage	400V		
Rated Output Frequency	50Hz		
IP Protection Grade	IP54		
Corrosion-proof Grade	C4H		
Cooling Type	Liquid Cooling		
Noise	<75dB (1m Away from System)		
Dimension(W*D*H)	(1800±10)*(1435±10)*(2392±10)mm		
Communication Interface	Ethernet		
Communication Protocol	Modbus TCP/IP		
System Certification	IEC 62619, IEC 60730-1, IEC 63056, IEC/EN 62477, IEC/EN 61000, UL1973, UL 9540A, CE Marking, UN 38.3, TÜV Certification, DNV Certification		

*Standard: PCS、DCDC | Optional: MPPT (60kW)、STS、ATS、AC EV Charger (22kW*2)

◆ Product Parameters Energy Storage Cabinet

Model	Star 215	Star 258	Star 289	Star 385
System Parameters				
Battery Type	LFP 280Ah	LFP 280Ah	LFP 314Ah	LFP 314Ah
Rated Capacity	215kWh	258kWh	289kWh	385kWh
Cooling Type	Liquid Cooling			
IP Protection Level	IP54			
Corrosion-proof Grade	C4H			
Fire Protection System	Perfluoro / HFC-227ea (Optional)			
Noice	75dB	< 75dB (1m Away from the System)		
Dimension	935*1250*2380mm	(1588±10)*(1380±10)*(2450±10)mm		1578mm*1380*2500mm
Weight	2700±100kg	2950±150kg	3050±150kg	≤3900kg
Working Temp. Range	-30°C~55°C (Derating When > 45°C)			
Relative Humidity Range	0~ 95 % (Non-condensing)			
Communication Interface	RS485 / CAN			
Communication Protocol	Modbus TCP/CAN2.0	Modbus TCP		
Cycle Life	≥6000	≥8000	≥8000	≥10000
System Certification	IEC 62619, IEC 60730-1, IEC 63056, IEC/EN 61000, IEC 60529, IEC 62040 or 62477, RF/EMC, UKCA (IEC 62477-1), UKCA (CE-EMC Transfer), UL1973 ^[1] , UL9540A ^[1] , UN 38.3			
Max. Efficiency of System	86%	> 89%	> 89%	> 93%
Quality Guarantee	3 Years	≥5 Years		
EMS	Local Control	Built-in	Built-in	External
Application Scenarios	New Energy Generating, Distributed Generating, Micro-grid ESS, EV Charge, City ESS, Industrial & Commercial ESS, etc.			
DC Battery Parameters				
Rated Voltage	768V	921.6V	921.6V	1228.8V
Voltage Range	672~864V	720 ~ 1000V	720 ~ 1000V	960 ~ 1401.6V
Charge & Discharge Ratio	0.5P			
AC Side Parameters				
Rated AC Voltage	400V	400V	400V	/
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz	/
Rated Power	100kW	125kW	125kW	/
Rated Current	144A	182A	182A	/
Max. AC Power	120kW (60S 25°C)	150kW (60S 25°C)	150kW (60S 25°C)	/
AC/DC Converter Grid-connected Certification	GB/T 34120-2017, GB/T 34133CE, EN50549-1:2019+AC.2019-04, CEI 0-21, CEI 0-16, NRS097-21-1:2017, EN50549, C10/11:2019, EN50549-1&10, G99, VDE-AR-N 4105, VDE-AR-N 4110, VDE-AR-N 4120, UNE 217002, UNE 217001, NTS631, TOR Erzeuger, NRS 097-2-1			

[1]. UL1973 and UL9540A are for Star 385 Only.

Great Wall Series

Residential ESS

5~30kWh (1~6 Batteries)

Safe Reliability

Long Life

iBMS

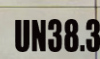
Ease of Installation

Flexible Extensibility

Strong Environmental Adaptability

Perfect Compatibility

Expandable up to 30kWh



◆ Product Parameters

Model	Great Wall 05	Great Wall 10	Great Wall 20		Great Wall 30
Configuration	2P16S	2P16S:2pcs	2P16S:4pcs		2P16S:6pcs
Size	600*900*220mm	600*1200*220mm	600*1800*220mm		600*2400*220mm
Weight	67kg	109kg	193kg		277kg
Nominal Voltage	51.2V	51.2V	51.2V		51.2V
Voltage Range	40-58.4V	40-58.4V	40-58.4V		40-58.4V
Rated Capacity	100Ah	200Ah	400Ah		600Ah
Rated Energy	5.12kWh	10.24kWh	20.48kWh		30.72kWh
Max. Charge Current	50A				
Max. Discharge Current	100A				
Depth of Discharge	90%				
Communication Protocol	CAN/RS485				
Cycle Life	≥6000times @25°C 0.5C				
Operating Temp. Range	Charge: 0~55°C; Discharge: -10~35°C				
System Certification	IEC/EN 62619, IEC/EN 61000, IEC/EN 62040, UL1973, UL9540A				

Wenergy Technologies Pte Ltd.

Choose Wenergy for Secure Energy Storage

1 Headquarter
in Singapore

5 Global Branches
(China, USA, Germany, Italy, Chile)

14Years Battery Cell
Manufacturing

15GWh Annual
Capacity

660,000+m² R&D and
Production Base

60+ Countries /
Regions
Exported To



Focus on Innovation, Full-Chain Layout

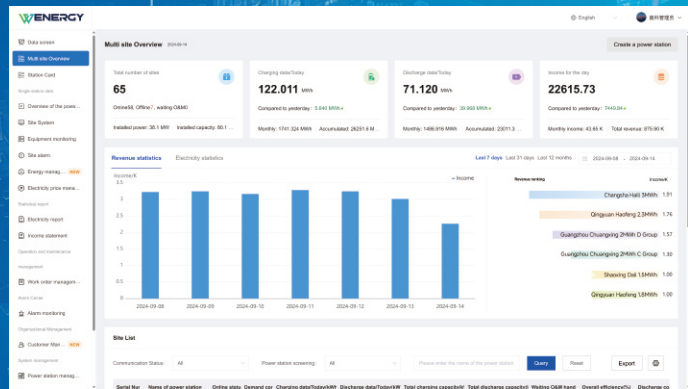
From Cathode Materials and Battery Cells to Modules and Smart ESS Solutions

R&D Production Bases



Wenergy Solutions

- ◆ PV+Storage Integration
- ◆ Frequency Regulation
- ◆ Backup Power Supply
- ◆ Peak-Valley Arbitrage



Software-Defined Energy Management

- *Enables integration with customer-owned EMS systems.
- *Real-Time Price Capture & Automated Trading (Local Market Tuned)

Cloud-based BMS Optimization

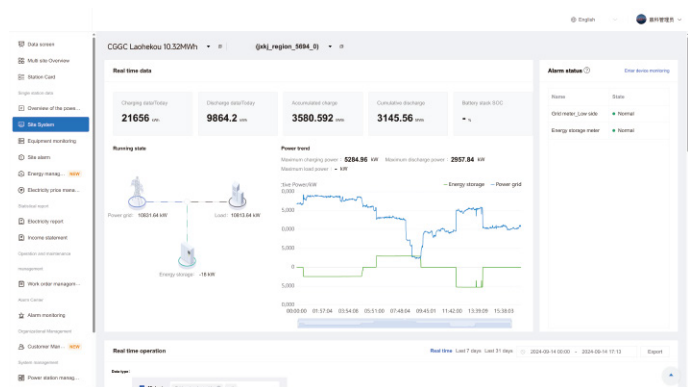
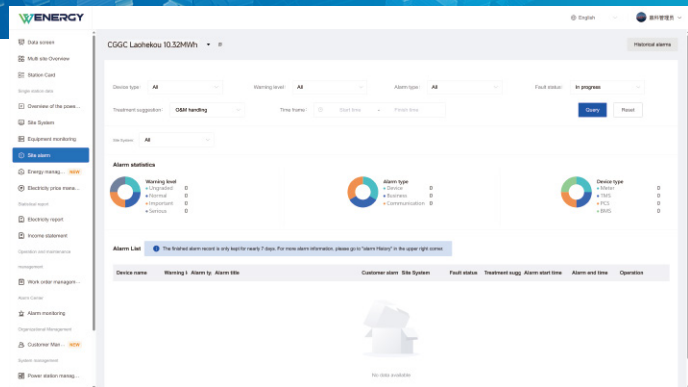
- Dual-processor architecture
- 4KHz real-time monitoring
- Cloud-based balancing optimization
- 90% diagnostic coverage

Multi-protocol Compatible EMS

- AI-powered energy forecasting
- Open EMS API integration
- 100+ protocol support
- Millisecond-level response

Unified Control Platform

- Remote monitoring & diagnostics
- Cross-platform mobile access
- Health & performance analytics



Quality Assurance

Globally Certified Excellence in C&I Energy Storage Solutions

Global Certification

UN38.3

American Standard

UL 1973
UL 9540
UL 9540A

FC

European Standard

RoHS COMPLIANT

REACH

IEC

IEC62619, IEC60730, IEC61000, IEC63056, IEC62477, IEC62933, IEC60529

ISO

ISO13849

RF/EMC

Grid-connected Certification

VDE 4105
VDE 4110
VDE 4120

G99

CEI 0-16
CEI 0-21

EN 50549-1
EN 50549-10

UNE 217002
UNE 217001

TOR Erzeuger

Polish Grid Code A3

NTS 631

Application Cases Total scale: 2GWh+ (excluding cell sales)

