

Turtle Series



750kW / 1935kWh

Mobile Energy Storage System

**Adaptive
Chassis Integration**

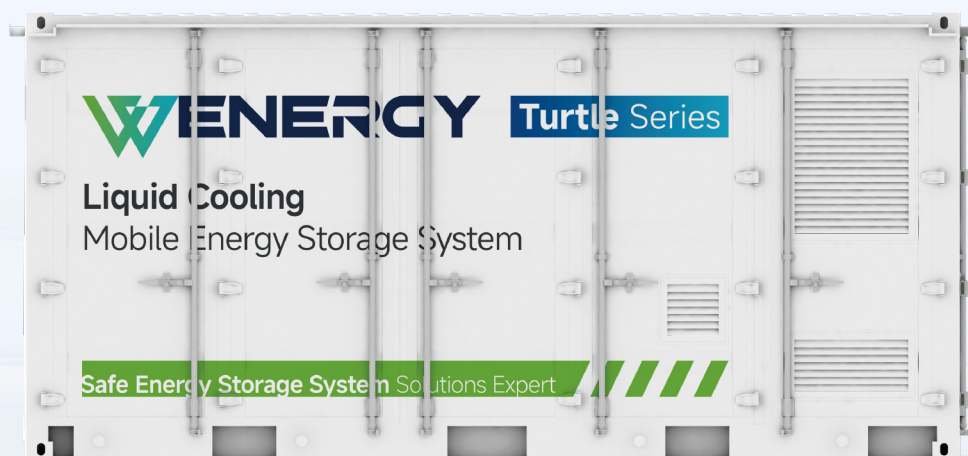
**Versatile
Deployment**

**Advanced
Monitoring and Control**

**Integrated
Transport Design**

◆ System Applications

Peak Shaving
Microgrids
Renewables Integration
EV Charging Support
Electric Bill Reduction
Backup Power
Hybridization
Contingency Events



UN38.3



1935kWh BESS Parameters

Category	Name	Specifications
System Parameter	Nominal Energy (kWh)	1935 kWh
	Maximum Cycle Efficiency	> 90 %
	Protection Level	IP54
	Auxiliary Power Supply	Self-powered / External Power Supply
	Operating Humidity Range	0~95%
	Operating Temperature Range	-30~55°C (> 45°C Derating)
	Maximum Operating Altitude	4500m (Derating If Greater than 2000m)
	Cooling Method	Intelligent Liquid Cooling
	Fire Safety Configuration	Aerosol Firefighting, Five-in-one detection, Perfluorohexanone
	Communication	RS485/CAN
	Weight	Approx . 22 Tons
	Container Size (L*W*H)	6058*2438*2896mm
DC Parameter	Max. DC Voltage	876V
	Min. DC Voltage	750V
	Dc Side Rated Current	976A
	Max. Current On DC Side	1250A

Telephone

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Turtle Series **750kW / 1935kWh** Mobile Energy Storage System

125kW PCS Parameters

Category	Name	Specifications
Conventional Parameters	Isolation Transformer	Not Available
	Working Environment Temperature	-40°C ~ +60°C
	Protection Level	IP20
	Cooling Method	Intelligent Air Cooling
	Max. Operating Altitude	4000m (Over 3000m, Derated Operation)
	Max. Efficiency	99.00%
	Standby Power Consumption	<10W
	Dimensions (W*H*D)	452*272*665mm (Excluding Terminals)
	Weight	≤85kg
DC Side Parameters	Max. DC Voltage	1000V
	Min. DC Voltage	580V
	DC Voltage Operating Range	580~1000V
	Max. Current on DC Side	208A
AC Side Parameters (Grid-connected)	Rated Charge and Discharge Power	125kW
	Max. Charge and Discharge Power	150kW
	Rated Charge and Discharge Current	174A
	Rated Grid Voltage	400V
	Allowable Grid Voltage Range	300~400V
	Rated Grid Frequency	50/60Hz
	Current Total Harmonic Distortion	<3%(At Rated Power)
	Power Factor	>0.99
	Power Factor Range	-1 ~ 1
	Overload Capacity	1.2Pn, Lasting 1 Minute
AC Side Parameters (Off-grid)	Rated Output Voltage	400V
	Voltage Deviation	± 2%
	Voltage Total Harmonic Distortion	<3% (Linear Load)
Protect	DC Reverse Polarity Protection	Possess
	AC Short Circuit Protection	Possess
	AC Output Over-current Protection	Possess
	Surge Protection	Level 2
	Insulation Impedance Monitoring	Possess
	Temperature Protection	Possess
	DC Switch	Possess
Characteristic	DC Interface	OT Terminal, Wiring Required
	AC Port	OT Terminal, Wiring Required
	Show	LED
	Communication	RS485

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