

Turtle M Series Mobile ESS



289 / 365 / 645 / 723 / 1157 kWh | Customizable as Needed

Energy Saving & Eco-Friendly / Intelligent Dispatching / Ready-to-Deploy / Effortlessly Tackling Power Challenges

◆ Applications

Outdoor Activities & Emergency Power Supply

C&I Mobile Energy Storage

Infrastructure Development in Remote Areas



◆ Key Highlights

Flexible Deployment

Paired with a dedicated tractor and custom trailer, the unit can be moved and deployed anywhere, delivering instant power for events, emergency response, and industrial sites.

Intelligent & Safe Operation

Advanced BMS/EMS with liquid cooling ensures efficient, safe performance. Equipped with aerosol fire suppression and multi-sensor detection for all-round protection.

Built for Harsh Environments

Operates from -30°C to 55°C and up to 4,500 m altitude, ensuring reliable power in remote and demanding conditions.

Lower Costs, Higher Efficiency

Self-powered design and optimized energy management cut operating expenses and reduce energy waste.

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◆ Products Parameters

Model	289kWh	365kWh	645kWh	723kWh	1157kWh
Battery Parameters					
Configuration	1P288S	1P364S	3P240S	3P240S	4P288S
Rated Energy	289kWh	365kWh	645.12kWh	723kWh	1157.52kWh
Rated Voltage	921.6V	1164.8V	768V	768V	921.6V
Voltage Range	720V-1000V	910-1328.6V	600V-876V	600V-876V	720V-1000V
System Parameters (0.5P)					
Rated Voltage	400VAC				
AC Rated Power	140kW	182.5kW	322.5kW	320kW	350kW
Max. Discharging Power	270kW	320kW	405kW	405kW	540kW
Rated Frequency	50Hz/60Hz				
Temperature Range	-30~45°C				
Operating Altitude	≤4500m (>2000m Derating)				
Humidity	≤95%RH				
Basic Parameters					
ESS Size (L*W*H)	4050*1900*1825mm	4000*1900*1850mm	6058*2438*2896mm	4900*2380*2400mm	6058*2438*2896mm
ESS Weight	≈ 6.1t	≈7.1t	≈16t	≈12t	≈19t
IP Protection Level	IP54				
Cooling Method	Liquid Cooling				
Fire Satey Configuration	Aerosol Fire Protection, Five-in-one Detector				
Communication	RS485/CAN				

