

Turtle M Series Mobile Energy Storage System



Flexible Power. Anywhere. Anytime.

500kW / 964kWh

750kW / 1446kWh

1000kW / 1929kWh

Mobile BESS Solution for EV Charging, Backup Power & Grid Support



※ Complete mobile ESS vehicle solution available

◆ Key Advantages

• Collaborative Multi-Unit Operation

Synchronized load supply with real-time energy replenishment between units, enabling continuous operation

• Independent Cluster Control & Fault Isolation

Modular battery management with enhanced safety, reliability, and system availability

• Flexible AC/DC Charging Capability

Supports AC charging and DC fast charging with flexible power allocation up to 240kW per connector

• Grid-Forming PCS + Liquid Cooling

Advanced thermal management with enhanced protection and improved system reliability

◆ Technical Parameters

Parameter	964kWh	1446kWh	1929kWh
Nominal Energy	964.608kWh	1446.912kWh	1929.216kWh
Rated Voltage	768V		
AC Output Power	500kW	750kW	1000kW
STS(Optional)	750kW	750kW	1000kW
Charging Interfaces	AC 400V & 4*DC Fast-Charging Connectors		
DC Fast-Charging Output	4*120kW	4*160kW	8*120kW (Flexible Power Allocation, Up to 240kW per Connector)
Isolation Transformer (Optional)	500kVA	800kVA	—
Cooling System	Automotive-Grade Liquid Cooling		
PCS	Grid-Forming PCS (Liquid Cooling)		
Container Size	6058*2438*2591mm		
Protection Rating	IP54		

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◆ Application Scenarios



EV Charging Support

EV charging hubs | Fleet charging | Highway charging



Emergency Backup

Critical facilities | Disaster recovery | Emergency response



Remote Power Supply

Construction | Mining | Outdoor events



Grid Support & Microgrids

Renewable integration | Weak grid areas

◆ Application Cases

Jinhua, China | Hengdian World Studios Mobile ESS Project | Scale: 16.7MW / 34.7MWh



Smart Energy. Flexible Power. Sustainable Future.

Mobile Power Solutions for a
More Resilient Energy Future

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