

0.5MW / 1MWh CONTAINER BESS

- ▶ HIGH EFFICIENCY
- ▶ ACTIVE SAFETY TECHNOLOGY
- ▶ FORCED AIR COOLING
- ▶ INTELLIGENT POWER SYSTEM



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Main Specifications	
Rated Capacity	1000kWh
Rated Power	500kW
Batteries	3.2V/280Ah (Lithium Iron Phosphate)
Battery Module	51.2V/280Ah
Battery Cluster	768V/215kWh
Battery System Voltage	672V ~ 864V
AC Access Method	Three-Phase Three Wire
Rated Grid Voltage	AC 400V
Allowable Grid Voltage Range	323Vac ~ 437Vac
Rated Grid Frequency	50/60Hz
Allowable Grid Frequency	47.5Hz to 51.5Hz
Total Current Distortion Rate	< 3%
Power Factor	≥ 0.99 (Rated power)
Power Factor Adjustment Range	-1.0 ~ +1.0 adjustable
System Efficiency	Power efficiency ≥ 96%, energy efficiency ≥ 85%
Battery Storage Temperature Range	-25°C ~ 55°C
Battery Operating Temperature Range	-10°C ~ 50°C
Cooling Method	Forced air cooling
Allowable Relative Humidity	0-95% Non-condensing
Altitude Allowed	3000m
Communication Interface	CAN, RS485, TCP/IP
Dimensions L*W*H mm	6058* 2438*2896
Weight	18t

Our standardized 20-foot container energy storage solution adopts the integrated design of the container, and installs energy storage battery clusters, confluence cabinets, AC control cabinets, PCS and other equipment in the container. The container system has an independent self-power supply system and temperature control. System, fire alarm system, door control lighting, safety escape system, emergency system, fire protection system and other automatic control and safety guarantee systems.



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