

Ymir 6K Plus

6.25MWh Liquid-Cooled Energy Storage Container

TESS-1800-6250-LRE-AC



Product Overview

TESS-1800-6250-LRE-AC is an energy storage system, and more importantly, a standardized, integrated AC/DC intelligent power unit. Inside a standard 20-foot container, we have unprecedentedly integrated a 6.25MWh battery system with a 1.8MW PCS inverter, creating the ultimate product form of "One Container, One Station". It achieves built-in full functionality from DC energy storage to AC grid connection, thoroughly simplifying the traditionally complex power station integration work into on-site connection and commissioning, bringing unprecedented deployment speed and investment efficiency to customers.

Integrated Design: High protection rating, easy installation and transportation.

Fire Safety: Reliable integration of intelligent temperature control and fire management, improving the system's fire safety protection.

Certification: All components within the system are CE certified, facilitating overall system transportation.

Safety Design: Independent battery and electrical space design, enhancing safety protection levels.

Versatile Applications: Meets multiple application scenarios such as renewable energy absorption, microgrids, and peak shaving.



Model	TESS-1800-6250-LRE-AC
Dc Side Parameters	
Cell Type	LFP-587Ah
Module Configuration	8P416S
Charge/discharge Duration	4h
Rated Power	1800KW
Rated Energy	6.25MWh
Rated Voltage	1331.2Vdc
Operating Voltage Range	1123.2~1497.6Vdc
Ac Side Parameters	
Rated Power	450kW*4
Grid Voltage Range	690V (-15%~10%)
Grid Frequency Range	50Hz/60Hz±2.5Hz
Current Harmonics	≤3%(Full Load)
Power Factor	-0.99~+0.99
Other Parameters	
IP Rating	CONTAINER IP55
Cooling Method	Liquid Cooling
Balancing Method	Active Balancing / Passive Balancing
Fire Suppression System	Container-level Aerosol
Auxiliary Power Supply	480VAC/60HZ
Cycle Life	≥ 6000 cycles (80%EOL)
Operating Temperature	-30°C ~ +55°C
Operating Humidity	0~95%RH, Non-condensing
Operating Altitude	≤4000m(Derating ≥2000m)
Dimensions(w×d×h)	6058*2438*2896 (W*D*H) mm
Weight	≤50t
Communication Interface	Ethernet/CAN/RS485

