

# Ymir 6K

## 6.25MWh Liquid-Cooled Energy Storage Container









TESS-1800-6250-LRE

TESS-3125-6250-LRE



### Product Overview

The 6.25MWh liquid-cooled container is a groundbreaking product that sets a new industry benchmark for energy density. Within a standard 20-foot container, we have achieved an ultra-high storage capacity of 6.25MWh. Powered by top-tier cells, an innovative architecture, and comprehensive safety design, it delivers the ultimate solution for customers—offering a smaller footprint, faster deployment, and higher returns.

-  Integrated design with a high protection rating for easy installation and transportation.
-  The independent battery and electrical compartment design enhances the overall safety level.
-  The integrated intelligent temperature control and fire management system enhances overall fire safety.
-  Meets multiple application scenarios such as new energy consumption, microgrids, and peak shaving
-  Designed for high-altitude applications up to 4,000 m
-  All components in the system pass CE certification, meeting overall system transportation requirements
-  New insulation materials improve thermal insulation rate
-  Intelligent liquid cooling heat pipe system, intra-bundle temperature difference  $\leq 3^{\circ}\text{C}$



Model	TESS-1800-6250-LRE	TESS-3125-6250-LRE
Basic Parameters		
Cell Type	LFP-587Ah	
Configuration	8P416S	
Convergence Method	8 clusters to 1 bus / 8 clusters to 2 buses	
Charge/Discharge Duration	4h	2h
Rated Power	1562KW	3125KW
Rated Energy	6.25MWh	
Rated Voltage	1331.2VDC	
Operating Voltage Range	1123.2~1497.6VDC	
IP Rating	ContainerIP55	
Cooling Method	Liquid Cooling	
Balancing Method	Active Balancing / Passive Balancing	
Fire Suppression System	Cabin-grade Aerosol	
Auxiliary Power Supply	480VAC/60Hz	
Cycle Life	$\geq 6000$ cycles 80%EOL	
Operating Temperature	$-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$	
Operating Humidity	0~95%RH, non-condensing	
Altitude	Up to 4,000 m (derating above 2,000 m)	
Dimensions(WxDxH)	6058*2438*2896mm	
Weight	$\leq 50\text{T}$	
Communication Interface	Ethernet/CAN/RS485	

