

Shanghai Sermatec Energy Technology Co., Ltd., established in 2017, is a leading "energy storage-oriented" energy digitalization operator and energy storage equipment solution provider in China. It is a TIER 1 enterprise of global energy storage systems. The company's business covers commercial and industrial, utility energy storage solutions and digital intelligent energy operations (energy asset management and operation, virtual power plant, power trading, green certificate, carbon asset development and trading, etc.) so as to contribute to the realization of the "dual carbon" goal and new power system architecture.

- Core Team - Years of Experience: 20+
- Countries and Regions of Customers: 30+
- Proprietary Intellectual Property Rights: 100+
- R&D Personnel Around: 55%

SERLATTICE Series 6.26MWh Liquid Cooling Container-Type ESS

SMT-L2H-6261CEA

The [Serlattice] series liquid-cooled container energy storage system of Sermatec Energy is mainly composed of multiple battery racks, battery management system, liquid cooling system, fire suppression system, auxiliary power distribution system and the enclosure. The battery rack is composed of 4 battery packs and high voltage box in series, and the battery pack is composed of 104 prismatic aluminum shell lithium iron phosphate battery cells in series.



Product Features

High Energy Density

- Adopts 588Ah high-capacity battery cells and features a 20-foot standard container design, delivering a 25% increase in energy density compared with the previous generation.

Safety & Reliability

- Five-dimensional hardware and software protection cover from individual battery cells to the entire integrated container.

Comprehensive fire protection system includes aerosol fire suppression+water dry pipe + ventilation system.

High Efficiency & Flexibility

- It supports flexible matching with centralized PCS or string-type PCS, providing exceptional flexibility.

Low LCOS

- Active balancing with per-cell independent balancing optimizes the system's dischargeable capacity throughout its full life cycle.

Intelligent thermal management strategies reduce auxiliary power consumption and enhance the economic performance.



Data Centers



Commercial
Premises



Industrial Parks



Augmentation



Power Genera-
tion Side



Grid Side

Technical Data

Product Type	SMT-L2H-6261CEA
Rated Energy (kWh)	6261
Rated Power (kW)	3130
Cooling Type	Liquid Cooling
Battery Cell Type (V/Ah)	3.2/588, LFP
Pack Configuration	1P104S
Grouping Method	1P416S*8
Rated Voltage (V)	1331.2
Voltage Range (V)	1164.8-1497.6
FSS	Combustible gas detector, Smoke detector, Temperature detector, Ventilation System, Aerosol Fire Suppression System, Water Fire Suppression System
Dimension (W*D*H) mm	2438*6058*2896
Weight (t)	48
IP Level	IP55
Working Temperature Range (°C)	-30-55 (45 Reduction)
Altitude (m)	4000 (2000 Above Reduction)
Communication Interface	CAN/RS485/Ethernet
Certifications	IEC62619, IEC63056, IEC61000, IEC62477, IEC60730, IEC62933-5-2, NFPA69, UL9540A, UN38.3, RoHS, REACH

Disclaimer: The content of the Manual is for reference only. In case of any change, please refer to the actual product.



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