SNETL
LIQUID COOLING ENERGY STORAGE SYSTEM

125kW/254kWh

SNES125-254AL-EN

Based on CATL's long cycling battery, the **254kWh** energy storage cabinet supports modular expansion up to MWhs (**max 24 units in parallel , max 6 units off grid**), catering to the needs of various scale of projects.



High Safety

Equipped with CATL's PPB & Nuclear Plant Level Safety LFP battery with IP66 protection.

Batery health management includes lifespan prediction, health assessment, and safety warnings.

The cell, pack, and cabinet provide four-level fire protection:monitor, warn, alert, and execute.

Efficient and flexible

Features CATL's long-life cells with>10000cycles, up to 12000cycles.

System efficiency of 90.2% .

Modular design supports parallel connection and system expansion.

Smart

Self-developed energy management system,customizable and upgradable for different needs.

Equipped with CESS, it can be upgraded to support integrated PV-storage-EV charging microgrid solutions.

Cloud-based monitoring and operation platform supportingremote management.

High integration

All-in-one designed cabinet integrates batery,BMS, EMS, PCS, liquid cooling system, fire protection system, etc.

Footprint ⩽1.34m².

Transportation after assembly, ready for plug-and-play.

Industrial Parks | Commercial CBDs | Charging Stations | Parking Lots | Vitural Power Plant

SNES125-254AL-EN

LIQUID COOLING ENERGY STORAGE SYSTEM

General	
Product Model	SNES125-254AL-EN
Width*Depth*Height	1000mm*1340mm*2390mm
Installation	Floor Installation
System Efficiency	90.2%
Cooling Method	Air-cooling PCS + Liquid-cooling batery
Protection Level	IP55
Input Method	AC bottom entry
Fire protection	aerosol and water
Weight	≈2.65 tons
Noise	TBD
DC Batery	
Cell Type	LFP 3.2V/306Ah
Battery Configuration	1P52S/50.918kWh
System Configuration	1P260S
Voltage Range	650VDC ~ 949VDC
System Capacity	254kWh
Temperature Sensing	Cells + Copper Bars
Charge/Discharge Rate	⩽0.5P
AC Parameters （on-grid）	
Rated Power	125kW
Rated Grid Voltage	400VAC
Rated Grid Frequency	50/60Hz
Power Factor	-1 (leading) ~ 1 (lagging)
AC Current THDi	<2% (rated output power)
Connection Method	Three-phase four-wire
Environmental Requirements	
Operating Ambient	-25℃ ~ +50℃
Operating Humidity	0% ~ 95% RH, non-condensing
Max Operating Altitude	4000m (derating over 2000m)
Preservative ability	C4 （C5 optional）

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