

# 261kWh All-in-One

## LIQUID-COOLED ENERGY STORAGE CABINET

### High-Efficiency Revenue



Three-level topology design, with unit round-trip efficiency > 90%; Smart string-based architecture, with pack-level balancing management; Liquid cooling temperature control design,

### Safe & Reliable



Original CATL battery packs with BMS and high voltage box ; CATL long-life LFP cells with  $\geq 8000$  cycles; Cabinet-level intelligent fire protection with

### Flexible Configuration

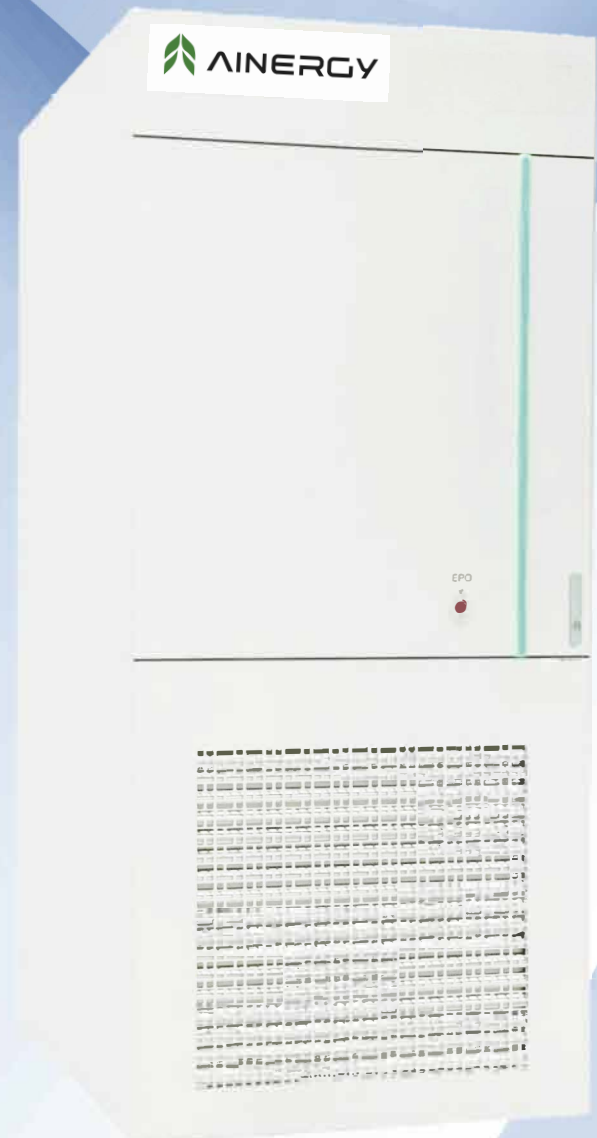


All-in-one design, grid-ready upon installation with no commissioning required  
Modular expansion capability, supporting up to 20 units in parallel  
314Ah high-energy-density cells reduce

### Intelligent Management



Cloud platform for real-time monitoring and proactive fault alerts  
Remote and local upgrades for critical



## 261kWh Product Specifications

Product Model	ESS-125-261kWh-L
<b>DC Side</b>	
Cell Type	LFP/314Ah
Rated Battery Energy	261.24kWh
Rated Battery Voltage	832Vdc
Operating Voltage Range	650Vdc~1000Vdc
DC Rated Current	157A
Battery Configuration	1P260S
Number of Battery Packs	5
Rated Charge/Discharge Rate	≤0.5P
<b>AC Side (Grid-connected)</b>	
Rated Output Power	125kW
Rated Output Voltage	400Vac
Maximum Output Current	198.5A
Rated Output Voltage Range	-20%~15%
Rated Grid Frequency	50Hz/60Hz (± 5Hz)
Adjustable Power Factor Range	-1~+1
Grid Connection Method	3L+N+PE
Compatible Grid Types	TT/TN
Isolation Type	Transformerless
<b>Efficiency</b>	
Maximum Efficiency	90%
<b>General Parameters</b>	
Surge Protection	DC Type II / AC Type II
Pollution Degree	2 class
Corrosion Protection Class	C3, C5 (Optional)
Fire Protection Unit	Aerosol
Ingress Protection (IP) Rating	IP55
Installation	Outdoor
Battery Cooling Method	Intelligent Liquid Cooling
Operating Temperature Range	-30℃ ~ +60℃ (Derating above 50℃)
Relative Humidity Range	0 ~ 95% (Non-condensing)
Maximum Operating Altitude	4000m(Derating above 2000m)
Dimensions (W x H x D)	1120*2385*1400mm
Weight	≤2500kg
Display	LED+Web+APP
Communication	CAN、RS485、Ethernet、4G
Safety EMC / Standards	EN 62477-1, EN 61000-6-2, EN 61000-6-4
Grid Connection Standards	EN 50549-1:2019+A1 2023, TOR Erzeuger: 2019-12-12, OVE-Richtlinie R 25:2020-03-01, PPDS

\*If there are any changes in product size and parameters, the latest information shall prevail without further notice.