

C&I SERIES

LIQUID-COOLED ENERGY STORAGE CABINET

AU-125/261-DX



High System Efficiency

- System Round-Trip Efficiency (RTE) up to 90%
- Energy density increased by 55.9%



Stable and Reliability

- Automotive-grade cells with 8,000+ cycles
- AI-driven liquid cooling ($\Delta T \leq 2.1^{\circ}\text{C}$)
- Millisecond-level fuse protection



Fast and Flexible Deployment

- Footprint reduced by 38.1%
- Supports on-grid, off-grid & DC-coupled dispatch
- One-click self-check & 10-min commissioning



125KW
Max
output power



8000+
Cycles
Long Cycle Life



IP54
Protection
Level



90%-100%
Max
Dod



Technical Specification

AU-125/261-DX

BATTERY CABINET	
Cell Type	LFP (314Ah)
Pack Configuration	1P52S*5
Number of battery modules	5
Rated DC Voltage [V]	832 V
DC Voltage Range [V]	728 V ~ 936 V
Max. Charge/Discharge Rate	0.5 C
Max. Depth of Discharge	90% ~ 100%
Cycle Life	≥ 8000 cycles
AC SIDE	
Rated Output Power [KW]	125
Rated AC Voltage [V]	400
AC Voltage Range [V]	340 ~ 460 (±15%)
Grid Type	3W+N+PE / 3W+PE
Rated Frequency	50 Hz / 60 Hz
Power Factor	1 (leading) ~ 1 (lagging)
THDi	< 2%
DC Ratio	< 0.5%
GENERAL	
Max. Round Trip Efficiency	≥ 90% (System) / ≥ 98.5% (PCS)
Communication	Ethernet (LAN), RS485, CAN
Fire Suppression System	Perfluorohexanone (PACK level)
Ingress Rating	IP54
Cooling	Intelligent Liquid Cooling
Operating Temperature	-30°C ~ 60°C
Anticorrosion Rating	C3
Humidity	0 ~ 95% RH (Non-condensing)
Altitude [m]	≤ 2000 m
Dimensions (W*D*H)	1000 × 1400 × 2380 mm
Weight	~2500 kg
Safety/EMC	IEC / GB standard
Grid code	IEC / GB standard