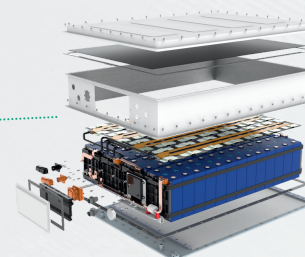
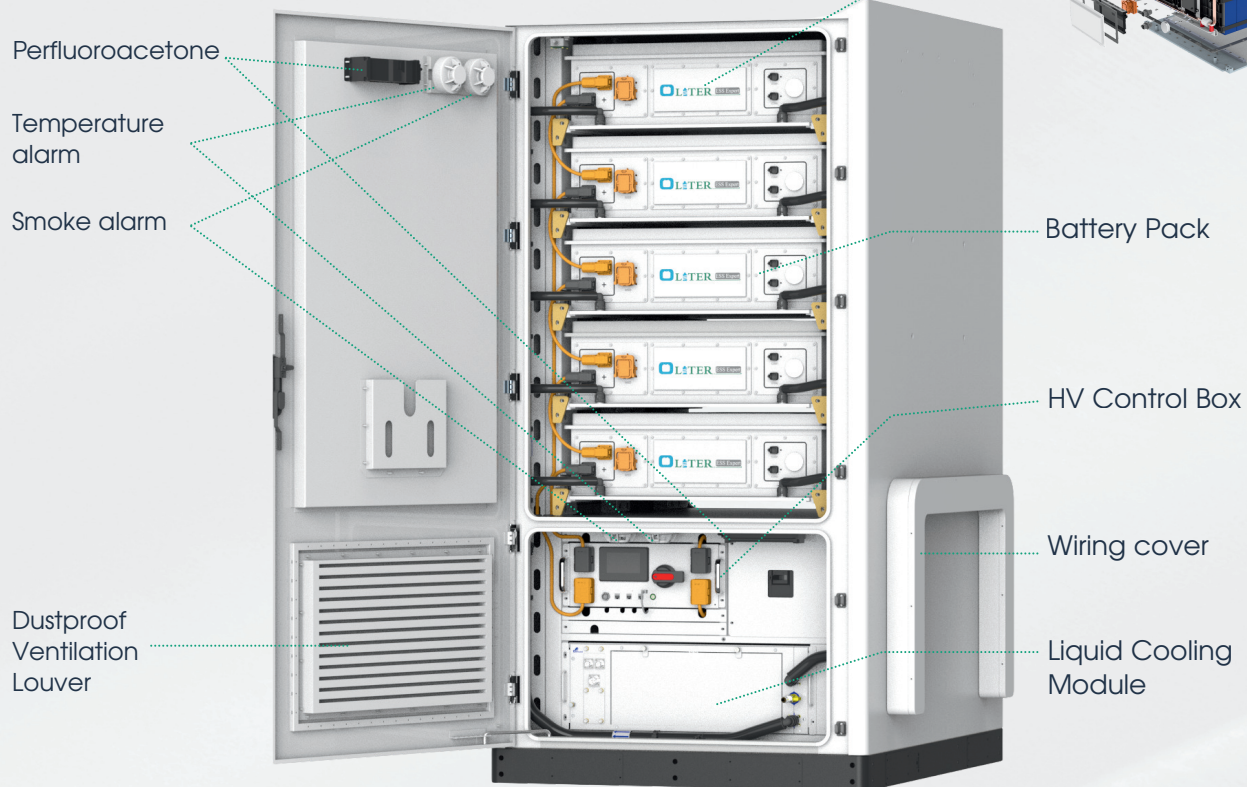


OHL-A

125kW/261kWh Liquid-cooled C&I Energy Storage Cabinet



Highlights



Compact Footprint

1.54m² footprint, 20% space saving



Multi-level Fusing

Pack-to-cluster fuse protection



Dual Fire Protection

Smoke & temperature alarms for battery and control system



Precision Cooling

Cell temperature difference <3°C,
20%+ higher cooling efficiency



Smart Control

Cloud monitoring through inverter and HV control system.

A+ cell

8000+ life cycles

10+ years

design life

15 units

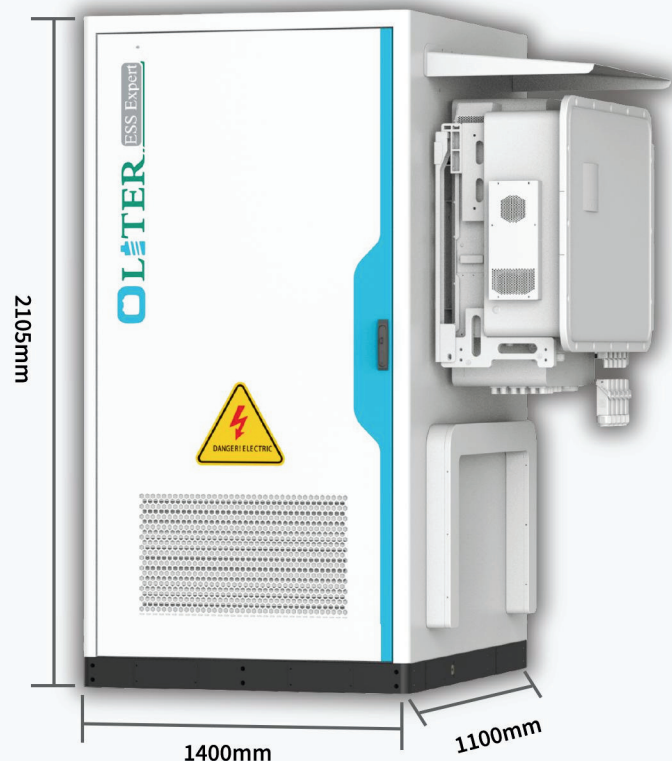
in parallel

IP55

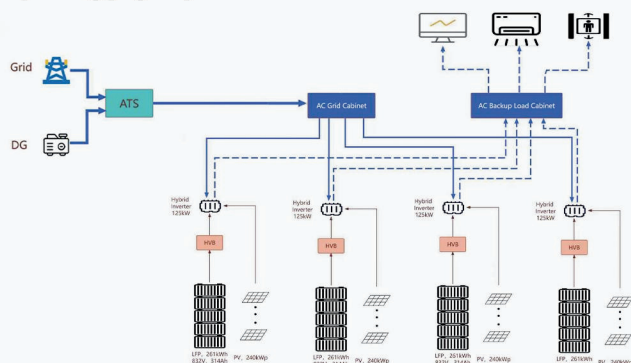
Ingress Protection

C4

Anti-corrosion Grade



Topology graph



Model

OHL-A 125kW/261kWh

Battery Parameters

Usable Energy	261kWh
Cell Type	LFP(LiFePO ₄)
Number of Battery Modules	5
Battery Module Specification	1P52S 166.4V 314Ah 52.25kWh
Rated Voltage	832V
Battery Voltage Range	702-936V
Maximum Charge/Discharge Current	157 /157A
Depth of Discharge (DoD)	0.9

Inverter Parameters

Rated Output Power	125kW
Rated Grid Voltage	3/N/PE, 220V/380V, 230V/400V
Rated Grid Frequency	50/60 Hz
Back-up Switch Time	<10ms
THDi/ THDv (@linear load)	<2%/ <3%
Maximum PV Input Power	250kW
Maximum Input Voltage	1000V
MPPT Voltage Range	150~950V
Battery Voltage Range	180V
Rated Input Voltage	600V
Maximum Input Current Per MPPT	42A
Maximum Short-circuit Current Per MPPT	60A
MPPT Number/ Max. Strings Number	10/20

Basic Parameters

Operating Temperature Range	-20~+55°C
Relative Humidity	0-95%
Maximum Operating Altitude	3000M
System Efficiency	95%
Cooling Method	Liquid cooling
Human-machine Interface	LED, Bluetooth+App
Communication	CAN/ RS485/ Ethernet/ 4G/ WiFi/ LAN
Weight	2600kg
Dimensions (W*D*H)	1100*1400*2105mm
Topology	Non-Isolated
Anti-corrosion Class	C4/ C5 (optional)
Protection Level	IP55
Certificate	UN38.3, MSDS, IEC62619, IEC61000-6/2/4,
Installation Method	Floor-mounted