

iCube-D Series

C&I Liquid Cooling Battery Cabinet 237.12kWh 1C/1P



✓ High Level of Safety

- LFP batteries with high thermal stability, module /rack level UL9540A
- Alternative fire suppression system for different markets. NFPA68 compliant

🕒 Long Service Life

- CATL's advanced 285Ah cell (optional cell with super-long cycling up to 12,000 cycles)
- Integrated frequency conversion liquid-cooling system, with cell temperature difference limited to 3°C, and a 33% increase of life expectancy

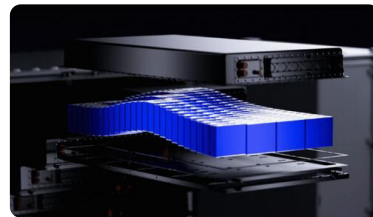
📦 High Integration

- Separate liquid cooling system for worry-free heat dissipation
- Modular design with a high energy density, saving the floor space by 50%
- Transportation after assembly, reducing on-site installation costs and commissioning time

Higher energy density, smaller floor print



33% ↑
Increase of lifespan
CATL LFP cells



50% ↑
Floor print

Product Model	iCube-D Series
Batteries	
Nominal Battery Voltage	832VDC
Battery Type	CATL LiFePO4 3.2V/285Ah
Battery Pack Configuration	1P52S/47.424kWh
Battery System Configuration	1P260S
Capacity	237.12kWh
Battery Voltage Range	728-936VDC
Max Charging/Discharging Current	140A/285A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension WxDxH	980x1300x2350mm
Charge/Discharge Rate	1C/1P
Depth of Discharge	95%
Life Cycle	4000-6000
Degree of Protection	IP54
System Efficiency	~91%
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C4
Weight	~2600kg
SPD	DC TYPE II/AC TYPE II
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	DOWELL ESS Cloud
Monitoring	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS, UL
Battery Rack	CE, UN38.3, MSDS, UL
Whole Unit	CE, UN38.3, MSDS, UL



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