

iCube-D Series

C&I CABINET Liquid-Cooling BATTERY STORAGE SYSTEM



🛡️ 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 280Ah 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

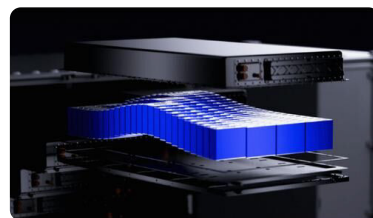
📦 High Integration

- Modular design, compatible with 600 -1,500V system
- 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

Configurable from 1 to 20, adaptive to PCS with different power and flexible layout



Note: Flexible Capacity Configuration: Pack Qty 4 to 8 into Cabinet adaptive to 600 - 1500V system.
Flexible Configuration of each cabinet from 1 to 20, adaptive to Hybrid/PCS flexible layout.

Product Model		iCube-D Series	
Battery Cell Parameters			
Cell Brand	CATL		
Cell Capacity	LFP-280Ah		
C Rate	1P/1P		
Battery Pack Parameters			
Configuration	1P52S		
Rated Voltage	166.4V		
Rated Energy	46.59kWh		
Cabinet Parameters			
DC Rated Voltage	1331.2V		
Configuration	1P416S		
Pack Quantity	4-8		
@BOL Rated Energy	186 /232 /279 /326 /372kWh		
Working Voltage Range	600~1500V		
Size (W*D*H)	1300x1300x2300mm		
IP Grade	IP54		
Operating Humidity Range	0~95%		
Operating Temperature Range	-20 ~ +55°C (>45°C derating)		
Operating Altitude	≤ 4000m		
Cooling Method	Liquid-cooling		

Note: Delflagration venting is optional configuration, result in different quotation



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