

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

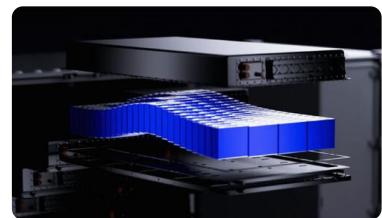
ystack High Integration

- 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: Deflagration venting is optional configuration, result in different quotation



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