

# 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

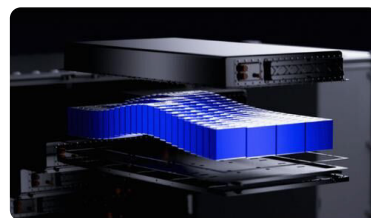
### 📦 High Integration

- 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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