

# iCube-D Series

C&I Liquid Cooling Battery Cabinet 215.04kWh 0.5C/0.5P



## 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

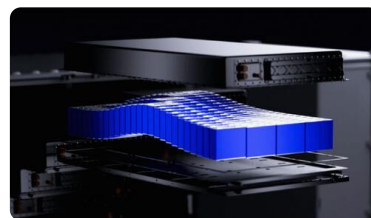
## High Integration


- 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
Battery Cell Parameters	
Cell Brand	CATL
Cell Capacity	LFP-280Ah
Cell Voltage Range	0.5C/0.5P
Pack Parameters	
Configuration	1P60S
Battery Voltage Range	672-852VDC
Rated Energy	53.76kWh
Cabinet Parameters	
Configuration	1P240S
Rated Energy	215.04kWh
Dimension(WxDxH)	1050x1600x2050mm
Charge/Discharge Rate	0.5C/0.5P
Depth of Discharge	95%
Life Cycle	6000
Degree of Protection	IP55
System Efficiency	~91%
Cooling Liquid	50% Ethylene glycol+50% Water
Cooling Method	Liquid Cooling
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	C3 (C4/C5 Optional)
Weight	~2500kg
SPD	DC TYPE II/AC TYPE II
Scalability	Yes, Units Can Be Connected In Parallel
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS
Whole Unit	CE, UN38.3, MSDS



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