

# 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

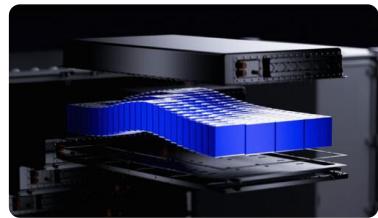
## ystack High Integration

- 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



DOWELL



linkedin



YouTube

Dowell Technology Co., Ltd  
[www.dowellelectronic.eu](http://www.dowellelectronic.eu)  
[marketing@dowellelectronic.eu](mailto:marketing@dowellelectronic.eu)