

iCube-D Series

C&I Liquid Cooling Battery Cabinet 418kWh 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 314Ah 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

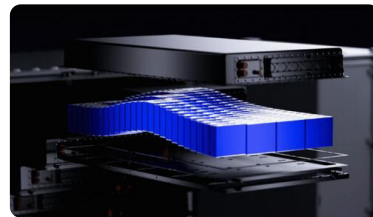
High Integration

- 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 Type	LFP
Rated Capacity	CATL-314Ah
Configuration	1P416S
Rated Voltage	1331.2V
Rated Energy	418kWh
DC Voltage Range	1165~1498V
Maximum System Efficiency	≥90%
Depth Of Discharge	100% DOD
DC Component	< 0.5%I _{pn}
Charge/Discharge Rate	0.5C/0.5P
Life Cycle	≥7000
Degree of Protection	IP55
Enclosure Corrosion Resistance Level	C4
Allowed Relative Humidity	0%~95% (non-condensing)
Allowed Ambient Temperature	-30°C~55°C
Working Altitude	<2000m
Cooling method	Liquid-cooling
Fire protection	Aerosol + fire water system
Communication Protocol	Modbus TCP
Certifications	IEC62619, IEC63056, IEC62477, EN61000, IEC60730



DOWELL



linkedin



YouTube

Dowell Technology Co., Ltd
www.dowellelectronic.com
marketing@dowellelectronic.com