

iCube-C Series

C&I 125kW/261kWh Liquid-Cooling 0.5C/0.5P



Compact & Flexible

- High power density of 314Ah cells, only 5 packs inside
- Occupying 1.28 square meters
- Increase of 21% in capacity density

Smart & Efficient

- EMS generates optimal operation strategy
- System efficiency >90%
- Temperature difference of cells <2.4°C in whole cabinet

High Integration

- All-in-one design, flexible transportation & fast installation
- Multiple cabinets connected in parallel
- Pre-commissioning in factory; plug & play on site

Safe & Durable

- Unaffected by extreme cold and heat
- Intelligent dehumidification inside cabinet to eliminate condensing risk

Product Model	iCube-C Series
Cell Parameters	
Cell Capacity	LFP-314Ah
Pack Parameters	
Cell Configuration	1P52S
Pack Rated Voltage	166.4V
Pack Rated Energy	52.2496kWh
PCS Parameters	
Rated Output Power	125kW
Max. Output Power	138kW
Rated Power Grid Voltage	230Vac/400Vac
Allowable Voltage Deviation	-15%~+15%
Max. Current	200A
Rated Power Grid Frequency	50Hz/60Hz
Current Distortion Rate	<2% (rated power)
DC Component	<0.5%
Overload Capacity	110% long-term
Cabinet Parameters	
Voltage Range	728V~936V
Pack Quantity	5
Rated Energy at DC Side	261kWh
Charging/Discharging Rate	0.5C/0.5P
Dimensions (WxDxH)	950mmx1350mmx2400mm
Weight	2500kg
Max. round-trip Efficiency	90%
Level of Protection	IP54
Anti-corrosion Grade	C4-M
Operating Humidity Range	0%~95% (non-condensing)
Operating temperature Range	-30°C~55°C (Derating above 45°C)
Max. Operating Altitude	4000m (Derating above 2000m)
Cooling Method	Liquid-cooling
Fire Protection	Pack-level aerosol + cabinet-level aerosol
Communication	4G/RS485/LAN
Communication Protocol	Modbus TCP



DOWELL



linkedin



YouTube

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