

iCube-C Series

Liquid-Cooling ENERGY STORAGE SYSTEM

iCube C 200

Semi-Solid state version



Active Safety

- Multi-Layer Protection: Overcharge/discharge, short-circuit, and thermal runaway prevention.
- Fire Suppression: Integrated sensors and extinguishing systems.

Compact & Flexible

- Compact footprint
- High power density, only 4 packs inside
- All-in-one design, Modular Configuration & flexible transportation & fast installation

Smart & Efficient

- Real-time health & work status tracking
- Refined thermal management, temperature difference within system $\leq 3^{\circ}\text{C}$
- Supports parallel connection & flexible expansion



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Product Model		iCube-C 200
Model Name		iCube 100/215
Cell Type	Semi-Solid state	
Cell Capacity	280Ah	
Configuration	1P240S	
Battery System Voltage	768VDC	
Number of strings	1	
Rated Energy Capacity	215kWh	
Battery Voltage Range	600-876Vdc	
BMS Communication Interface	RS485, Ethernet	
BMS Communication Protocol	Modbus RTU, Modbus TCP	
Certification	IEC62619	
AC Data		
Rated AC Power	100kW	
Max. AC Current	160A	
Rated voltage	400/230V	
Grid Voltage Range	-20% - 15%	
PCS Cooling	Air cooling	
Frequency	50HZ/60HZ	
Output THDi	<3%	
PF	1 (lead) ~1 (lag)	
AC Output	3W+PE / 3W+N+PE	
Certification	EN50549-1, EN50549-2, NRS097-21-1:2017, VDE4105, VDE4110, VDE4120 C10/11:2019, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019	
General Data		
Dimension W/O Clearances[W*D*H]	1300*1350*2200mm	
Relative Humidity	≤95% RH, No condensation	
Degree of Protection	IP55	
Operating Temperature Range	-20 ~5 0°C	
Relative Humidity	0~95% (non-condensing)	
Max Working Altitude	<4000m (degrading when >2000m)	
Cooling concept of DC hatch	Liquid-cooling	

*Note: Delflagration venting is optional configuration, result in different quotation.Flexible Configuration of each cabinet in parallel, adaptive to flexible capacity layout.