

iCube-C Series

C&I Liquid-Cooling ENERGY STORAGE SYSTEM

iCube 100/215



Active Safety

- Pack-level fire protection & System-level aerosol firefighting
- Alternative FES design for different market, NFPA68 compliant
- System IP54 protection

Compact & Flexible

- Compact footprint, only takes up 1.68m²
- High power density, only 4 packs inside
- All-in-one design, flexible transportation & fast installation
- Modular configuration, PCS+BMS+EMS integrated design

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



DOWELL



linkedin



YouTube

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

Product Model	iCube-C Series
Model Name	iCube 100/215
Cell Capacity	LFP-280Ah
C Rate	0.5P
Configuration	1P240S
Battery System Voltage	768VDC
Number of strings	1
Rated Energy Capacity	215kWh
Battery Voltage Range	672-852Vdc
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	UL1741, IEEE1547.1-2020, CSA C22.2, IEC62477, EN50549
General Data	
Dimension W/O Clearances[W*D*H]	1050*1600*2050mm
System Efficiency	95%
Degree of Protection	NEMA 3R /IP 54
Operating Temperature Range	-20 ~ 55°C
Relative Humidity	0~95% (non-condensing)
Max Working Altitude	<3000m
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.