

BC261 BC418



LEADING - EDGE TECHNOLOGY

Overview

Outdoor battery cabinet with IP66 protection level, inbuilt liquid-cooling lithium-ion battery. Paired with MatrixOne all-in-one BESS cabinet to expand battery capacity.

Features

- ▶ **3-level BMS**
Intelligent 3-level BMS, comprehensive protection.
- ▶ **Distributed PV integration solution**
Reduces system investment, saves cabling, reduces losses.
- ▶ **IP66 protection**
IP66 for outdoor installation, C4 anti-corrosion (C5 optional).
- ▶ **Liquid-cooling battery ensure long lifespan**
≥8000 cycles of battery lifespan, cell temperature difference < 3°C.
- ▶ **Flexible expansion**
Modular design, 52.2kWh each module, and no parallel limit.
- ▶ **Comprehensive protection**
Module-level fire protection+explosion protection+leakage current detection.

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Datasheet

	BC261	BC418
Battery specification		
Cell type	LFP/314	LFP/314
Pack configuration	52.2kWh/1P52S	52.2kWh/1P52S
System configuration	261kWh/1P260S	418kWh/1P416S
Rated capacity	314Ah	314Ah
Rated voltage	832V	1331.2V
Voltage range	728~936V	1164.8~1497.6V
Rated charge/discharge	157A(0.5C)	157A(0.5C)
General information		
Dimensions (W*D*H)	1050*1350*2400 mm	1400*1450*2400 mm
Weight	2620kg	3825kg
Cycle life	≥8000 cycles	
Communication	CAN/RS485	
Fire suppression system	Aerosol	
Ingress rating	IP66	
Cooling	Liquid cooling	
Operating temperature	-25°C~55°C (Derating after 45°C)	
Anti-corrosion rating	C4 (C5 optional)	
Humidity	0~95% RH (non-condensing)	
Altitude	3000m (Derating above 2000m)	
Certificate		
Safety/EMC	IEC/EN 61000-6-2/4, IEC 62619, IEC 63056, UN 38.3	