

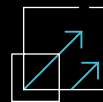


PBC 261

Liquid-cooled battery cabinet | 261kWh



Delivers 261kWh of usable energy in a compact, IP55-rated outdoor cabinet for demanding environments



Scalable and modular by design - expand capacity effortlessly from 261kWh to multi-MWh systems

High-performance liquid-cooled battery cabinet

The PBC 261 is a high-density, liquid-cooled battery cabinet designed for outdoor use in commercial, industrial, and utility-scale energy storage systems. It houses up to five LFP battery modules (52.2kWh each), delivering a total usable capacity of 261kWh in a compact IP55 enclosure.

Compact outdoor energy storage

Built on Pixii's proven modular energy storage platform, the PBC 261 combines high energy density with a small footprint.

Its robust IP55-rated design enables reliable performance in challenging outdoor environments, making it ideal for commercial, industrial, and infrastructure applications that demand dependable power and long-term value.

Engineered for safety and seamless integration

Safety and reliability are at the core of the PBC 261. The cabinet features liquid cooling, integrated aerosol fire suppression, smoke detection, and an explosion relief panel.

Communication via CAN 2.0 and Modbus TCP/IP ensures easy integration with Pixii control systems and the Pixii Energy Architect EMS.

All critical components are accessible from the front, simplifying installation and maintenance.

Designed and tested for long-term performance, the PBC 261 delivers stable operation even in demanding climatic conditions.

Scalable performance for every application

Multiple PBC 261 cabinets can be connected in parallel to create multi-megawatt-hour systems for applications such as peak shaving, backup power, renewable integration, and EV charging.

With high round-trip efficiency, precise temperature control, and long cycle life, the PBC 261 provides dependable energy storage performance across a wide range of use cases.

Highlights

- 261kWh per cabinet
- Scalable up to 5.22MWh
- Liquid-cooled LFP battery modules
- IP55 outdoor-rated cabinet
- Integrated fire protection
- CAN 2.0 and Modbus TCP/IP
- Front access for installation and maintenance



Scalable architecture – multiple PBC 261 cabinets and PowerNode 500 power units can be combined for higher capacity and power.

PBC 261

Configuration and voltage range	
Configuration	1P260S
Nominal Voltage (V)	832V
Voltage Range (V)	728V - 936V
Battery module capacity	52.2kWh
Cycle life (cycles @%DoD)	>8000, (25°C, 95%DoD, 70%SoH)
Max. depth of disch. (DoD)	95%
Max. charge/discharge cur.	0.5P @25°C
External comm. protocols	Modbus TCP/IP

Communication and connectivity	
Wired interfaces	Ethernet (RJ45) into BAMS
BMS communication	CAN 2.0
External comm. protocols	Modbus TCP/IP

Safety	
Ingress Protection (IP) Cabinet	IP55
Ingress Protection (IP) Battery	IP67
Max. short-circuit current	<15kA

Operating conditions	
Operating environment	Outdoor
Thermal management	Liquid cooling
Acoustic noise 1m distance	<70dBA
Operating amb. temp. range	-30°C- +55°C
Operating relative humidity ¹⁾	<95%
Max. operating altitude ²⁾	<4000m

Physical specifications	
Dimensions (HxWxD)(mm)	2300x1120x1300
Net. weight (fully equipped)	2500kg
Color	RAL 7035
Status indicator (type)	LED

Heat management system	
Power supply	220 ~ 240Vac
Frequency	50/60Hz
Operating ambient temp.	-30°C ~ 60°C
Cooling capacity	5kW
Cooling power	2.5kW
Heating capacity	2kW
Total current - cooling	13.4A
Total current - heating	9.4A

Warranty and compliance	
Security and safety standards UL1973 / UN38.3 / IEC 62619 / IEC62477/ UL9540A	
EMC standards IEC/EN 61000-6-2/4	
Regional compliance AS/NZS5139 & Battery Installation Best Practice Guide	
Warranty (years/cycles) ¹⁾	See note

1. Warranty terms may vary based on your SLA agreement. Please review the [warranty document](#) for details.

Battery module	
Battery chemistry	LFP
Cells in series (qty)	52
Battery cell capacity (Ah)	314Ah
Max. C-rate	0.5C
Configuration	1P52S
Nominal Voltage (V)	166.4V
Voltage Range (V)	130V - 187.2V (95% DoD)
Over-current protection	Internal fuse + HV Control Box
Dimensions (HxWxD)(mm)	237x800x1152
Net. weight (battery block)	340kg
Battery connection type	Quick, plug-in connection

1. Non condensing

2. Pollution level II, above 2000m, derating use