

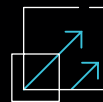


PBC 215

Liquid-cooled battery cabinet | 215kWh



Delivers 215kWh of usable energy in a compact, IP66-rated outdoor cabinet for demanding environments



Scalable and modular by design - expand capacity effortlessly from 215kWh to multi-MWh systems

High-performance liquid-cooled battery cabinet

The PBC 215 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 (43kWh each), delivering a total usable capacity of 215kWh in a compact IP66 enclosure.

Compact outdoor energy storage

Built on Pixii's proven modular energy storage platform, the PBC 215 combines high energy density with a small footprint.

Its robust IP66-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 215. 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 215 delivers stable operation even in demanding climatic conditions.

Scalable performance for every application

Multiple PBC 215 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 215 provides dependable energy storage performance across a wide range of use cases.

Highlights

- 215kWh per cabinet
- Scalable up to 4.3MWh
- Liquid-cooled LFP battery modules
- IP66 outdoor-rated cabinet
- Integrated fire protection
- CAN 2.0 and Modbus TCP/IP
- Front access for installation and maintenance



Scalable architecture - multiple PBC 215 cabinets and PowerNode 500 power units can be combined for higher capacity and power.

PBC 215

Configuration and voltage range	
Configuration	1P240S
Nominal Voltage (V)	768V
Voltage Range (V)	672V - 864V (95% DoD)
Battery module capacity	43.008kWh
Cycle life (cycles @%DoD)	>8000 (25°C, 95%DoD, 70%SoH)
Max. depth of disch. (DoD)	95%
Max. charge/discharge cur.	0.5P
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	IP66
Ingress Protection (IP) Battery	IP67
Max. short-circuit current	<11kA

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

1. Non condensing
2. Pollution level II, above 2000m, derating use

Physical specifications	
Dimensions (HxWxD)(mm)	2300x1300x1300
Net. weight (fully equipped)	2500kg
Color	RAL 7035
Status indicator (type)	LED

Heat management system	
Power supply	220 ~ 240V
Frequency	50Hz
Operating ambient temperature	-30°C ~ 60°C
Total current - cooling	20A
Total current - heating	12A

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 Installtion 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)	48
Battery cell capacity (Ah)	280Ah
Max. C-rate	0.5C
Configuration	1P48S
Nominal Voltage (V)	153.6V
Voltage Range (V)	134.4V - 172.8V (95% DoD)
Over-current protection	Internal fuse + SBMU protection
Dimensions (HxWxD)(mm)	240x858x1067
Net. weight (battery block)	300kg
Battery connection type	Quick , Plug-in connection