



BAS-N418DC

BAS-N2418DC, Energy storage cabinet with DC coupling

Code: EBN270.

> Scalability up to 8 units in parallel

Description

Compact energy storage solution for medium DC storage volumes, specially designed for outdoor installation with an IP55 protection rating. A robust, efficient, modular, and scalable system that allows power expansion by connecting up to 8 units in parallel—ideal for energy balancing in businesses and fast-charging centres.

The solution includes:

- Battery modules based on lithium iron phosphate (LiFePO₄) cells, each with a capacity of 314 Ah.
- Battery Management System (BMS) for monitoring cell voltage, humidity, and temperature.
- Liquid cooling system that optimises cell temperature and allows higher energy density.
- Integrated protections on the internal DC bus.
- Fire detection and suppression system using gas diffusion.
- Compatible with standalone PCS units with high input voltage.

Application

- Reduces demand peaks in fast-charging facilities with DC coupling.
- Improves medium- and high-power industrial self-consumption.
- Emergency power supply in the event of grid failures.
- Reduces energy costs.
- Provision of grid services: voltage and frequency stabilisation.
- Participation in flexibility markets and capacity services (power guarantee).

Sectors of use:

- Electric vehicle charging infrastructure.
- Industrial facilities.
- Tertiary sector.
- Agricultural operations.
- Energy communities.



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Outdoor energy storage solution

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Specifications

Battery specifications – Charge/discharge ratio

0,5 C

Battery specification

Performance-guarantee	10 years / 8.000 cycles
Type	LFP (314 Ah)

Mechanical characteristics

Size (mm) width x height x depth	1400 x 2350 x 1400 (mm)
Envelope	Metallic
Thermal management	Liquid cooling
Noise	≤ 75dB @1m
Weight (kg)	3700

Environmental characteristics

Protection class	IP55
Relative humidity (without condensation)	0 ... 95 %
Working temperature	-30 ... +55°C

Electrical characteristics

Efficiency	94 %
Voltage	1331.2 Vdc
Nominal energy	417,9 kWh

Standards

Certifications	CE
Electrical safety, Maximum height (m)	2000
Standards	IEC62619, UL9540A, UL9540, UN3536, UL9540A, IEC62619, UN38.3

Performance & Safety

Safety	Fire Suppression: Aerosol + Floodable Cabinet
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Features / performance

Parallel assembly/installation	Up to 8 units
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BAS-NDC

Energy storage solution.



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CODE	TYPE
EBN260.	BAS-N373DC
EBN270.	BAS-N418DC