BAS-S120DC

,

Code: EBS220.

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 ($LiFePO_4$) 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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BAS-S120DC

Outdoor energy storage solution

Code: EBS220.

Specifications

BAS-SDC
Energy storage solution.

CODE	TYPE
EBS220.	BAS-S120DC
EBS250.	BAS-S261DC

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