BAS-N4700C

,

Code: EBN320.

Description

Container-format energy storage solution for **DC storage**, designed to deliver top performance in hybrid projects with renewable generation, and to operate independently to support grid and microgrid regulation. Specially designed for outdoor installation with an IP55 protection rating. A robust, efficient, and scalable system that allows both power and storage capacity expansion.

The solution includes:

- Battery modules based on lithium iron phosphate ($LiFePO_4$) cells, each with a capacity of 314 per cell.
- 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.
- Electrical cabinet for auxiliary AC equipment power supply.
- Compatible with standalone PCS units with high input voltage.

Application

Stabilisation and regulation of the DC bus in high-capacity DC-coupled fast-charging centres.
Optimisation of high-power industrial self-consumption.
Hybridisation with photovoltaic plants for grid-balancing services.
Grid support services: voltage and frequency stabilisation.
Participation in flexibility markets and capacity assurance in stand-alone configurations within distribution and transmission networks.

Sectors of use:

- High-capacity EV charging hubs and centres.
- Wind farms and photovoltaic plants.
- Large-scale industrial facilities.
- Tertiary sector.
- Data centres.
- High-consumption livestock farms.

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Liquid-cooling Energy Storage Cabinet

Code: EBN320.

Specifications

BAS-NCont
Energy storage solution.

CODE	TYPE
EBN310.	BAS-N4170C
EBN320.	BAS-N4700C
EBN330.	BAS-N5220C
EBN340.	BAS-N5740C
EBN350.	BAS-N6250C
EBN390.	BAS-N5000C

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