



## BAS-B73-MI-25

BAS-B73-MI-25, Outdoor energy storage solution

Code: EB1101.

- > Protocol: Modbus TCP/IP
- > Surge Protection (SPD): Yes
- > In (A): 37

### Description

Modular indoor energy storage solution for connecting in parallel to the grid, NMC lithium technology and 1C discharge. Expandable initial capacity of 73 kWh and 25 kVA (up to 68.5 kVA), which can be extended to 16 units in parallel in groups of 4

- All-in-one AC-coupled plug & play solution.
- Rated capacity of 73 kWh.
- From one to three three-phase next-generation 4Q inverters of 25 kVA each, up to a maximum of 68.5 kVA.
- Complete energy management system with cloud connection to monitor all the installed systems, and a remote maintenance service.
- IP 55 enclosure with air conditioning for installation in any type of location.
- Fire protection system as per the VDE-AR-E 2510-50 standard.
- Improved maintenance thanks to the 19" racks (battery, BMS, inverter, ControlShield modules).
- Internal and external protection against voltage spikes and lightning.
- Additional UPS system for safe operation during power outages.

### Application

- Electromobility
- Agriculture
- Industry
- Tertiary sector
- Reduction of power spikes
- Optimized self-supply
- Emergency power
- Network services (voltage and frequency stabilization)



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### Specifications

#### Electrical characteristics

Frequency	50 Hz
Surge protection (DSP)	Class 1 & 2
Nominal current $I_n$ (A)	37
Power	25 kVA
Earthing system	TN-S, TN-C-S, TT
Nominal energy	73 kWh
Usable energy	65,6 kWh (90 % DoD)

#### Mechanical characteristics

Size (mm) width x height x depth	1674 x 2125 x 1026 (mm)
Weight (kg)	935

#### Environmental characteristics

Protection class	IP 55
Relative humidity (without condensation)	5 ... 95 %
Ambient temperature	-30 ... + 55 °C

#### Communications

Protocol	Modbus TCP/IP
Technology	Cloud-Connection via LTE (MQTT)

#### Standards

Electrical safety, Maximum height (m)	2000
Standards	UNE-EN 300 328 V2.1.1, UNE-EN 61000-6-2, UNE-EN 61000-6-4, UNE-EN 62040-2, UNE-EN 61439-1, UNE-EN 61439-2, UNE-EN 62109-1, UNE-EN 62109-2, UNE-EN 62619, UN 38.3, VDE-AR-E 2510-50 (6.2.6), VDE-AR-N 4105, VDE-AR-N 4110, UNE-EN 50549-1, TOR Producer Typ A, 2014/53/EU (RED), 2014/30/EU (EMC), 2014/35/EU (LVD)

#### Internal battery

Capacity	100 Ah
Type	Lithium-Ionen (NMC), prismatic
Useful life	10 years or 5000 cycles on the battery
Voltage	729 V DC

#### BAS-B73

Modular energy storage system



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