BAS-B73-MI-25

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

Code: EB1101. **DESCATALOGADO**

> Power (VA): 25 kVA
> Rated capacity: 73 kWh
> In (A): 37
> Rated voltage (Vac): 400
> Frequency (Hz): 50
> Battery type: NMC
> Protocol: Modbus TCP/IP

Description

Modular indoor energy storage solution for connecting in parallel to the grid, NMC lithium technology. Expandable initial capacity of 73 kWh and 25 kVA of power (up to 73 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 73 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

Battery specification

State of Health (SOH)	15 years > 8000 (90% DoD) (70% SOH @ EOL) > 9000 (70% DoD) > 10000 (50% DoD)
Useful life	15 years > 8000 (90% DoD) (70% SOH @ EOL) > 9000 (70% DoD) > 10000 (50% DoD)
Capacity	73 kWh
Performance-guarantee	10 years or 327500 kWh energy through the battery
Type	Lithium-Ionen (NMC), prismatic

Electrical characteristics

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

Environmental characteristics

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

Standards

Electrical safety, Maximum height (m)	2000
Standards	UNE-EN 61000-6-2, UNE-EN 61000-6-4, UNE-EN 61439-1, UNE-EN 61439-2, UNE-EN 62109-1, 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), 2006/66/E6 (Bat. directives), UNE 217002, UNE 206007-1, UNE 206006

Mechanical characteristics

Weight (kg)	935

BAS-B73
Modular energy storage system - BESS

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CODE	TYPE	Power (VA)	Rated voltage (Vac)	Rated capacity	Battery type
EB1101.	BAS-B73-MI-25	25 kVA	400 Vac	73 kWh	NMC
EB1211.	BAS-B73-MD-50	50 kVA	400 Vac	73 kWh	NMC

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