

Maximize your energy savings with our innovative solution.

By developing cutting-edge technological solutions, our BESS is designed to optimize your plant's energy efficiency. Equipped with a sophisticated energy management system, our product ensures exceptional battery life and unprecedented energy performance. Invest in the future of energy with our innovative solution.

Our 5 MWh BESS (Battery Energy Storage System), housed in a standard 20-foot container, represents a state-of-the-art solution for utility-scale energy storage. This compact and modular configuration is designed to meet the specific needs of the utility-scale market, offering numerous advantages in terms of flexibility, efficiency, and sustainability.



## Applications

### Capacity

This highly efficient product can store a significant amount of energy from renewable sources like solar or wind (Hybrid Plant) or serve as a standalone storage unit, releasing it into the grid during peak demand periods.

### Dimensions

The 20-foot containerized format facilitates transportation, installation, and system scalability, allowing the total capacity to be adjusted according to the customer's needs.

### Technology

The system utilizes lithium-ion batteries, known for their high energy density, long life, and fast charging and discharging capabilities.

### Cooling and Safety Systems

These ensure the optimal and safe operation of the system under any environmental conditions.

### Control software

Allows for the management and optimization of the system's operation based on customer needs and grid conditions.

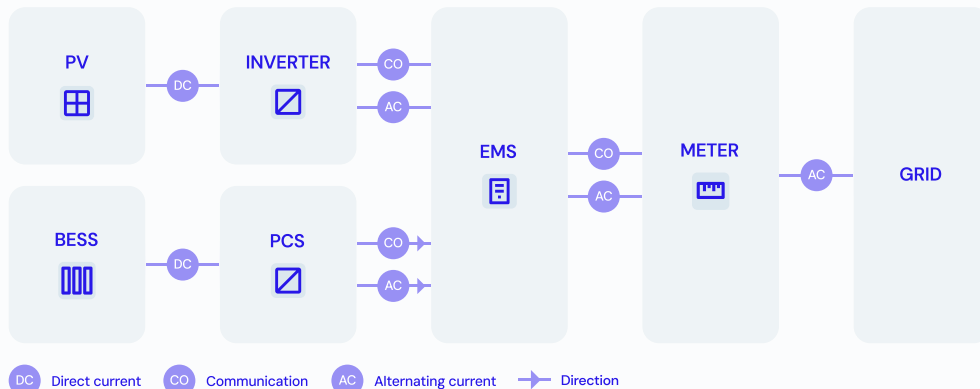
### European Production

Entirely produced and assembled at our facility in Valencia, Spain.

### Integrated Solution

The option of a fully integrated system, complete with BESS and scalable, tested PCS solutions, is available. This solution minimizes installation time and improves the product's operational performance.

### How it works



## Characteristics

Technology	LFP
Configuration	12*1P416S

## DC side

Max DC voltage	1497,6V
Nominal DC voltage	1331,2V
Min DC voltage	1123,2V
DC voltage range	1123,2V-1497,6V
Max DC current	1884A

## Efficiency

Max efficiency	99 %
European efficiency	98,50%

## Protection

DC input protection (fuse)	4000A
Load Break Switch	3600A
Surge protection	T1 + T2
Visual monitoring	Yes
Overheat protection	BMS Controller

## Characteristics

Dimensions ( W x H x D )	6058x2896x2438 mm
Standard charge and discharge	0,5C
Sound emission (dBA)	MAX 55
Weight	38 Ton
Operating temperature (°C)	Charge between 0°C & 55°C Discharge between -20°C & 55°C
Allowable relative humidity range	From 0% to 90%
Cooling method	Forced liquid cooling
Max operating altitude (m)	4000
Derating operative altutude (m)	2000
Display	PDMU + External Display + Remote Monitoring
Communication	CAN BUS / MOD BUS
Compliance	CE / UN38.3 *

## Warranty

Cycles	8000 **
Years	5 **

## Compliance and Regulations

Electromagnetic Compability (EMC) 2014/30/EU	IEC-62619:2022
Low Voltage Directive 2014/35/EU	IEC 62620:2015
RoHS Directive 2011/65/EU	EN 61000-6-3:2021
Product safety device 2001/95/CE	UN 38.3
Regulation UE 2023/1542	

\* In progress.

\*\* This product is subject to specific warranty conditions. Please refer to the terms and conditions for detailed information on the applicable warranty.