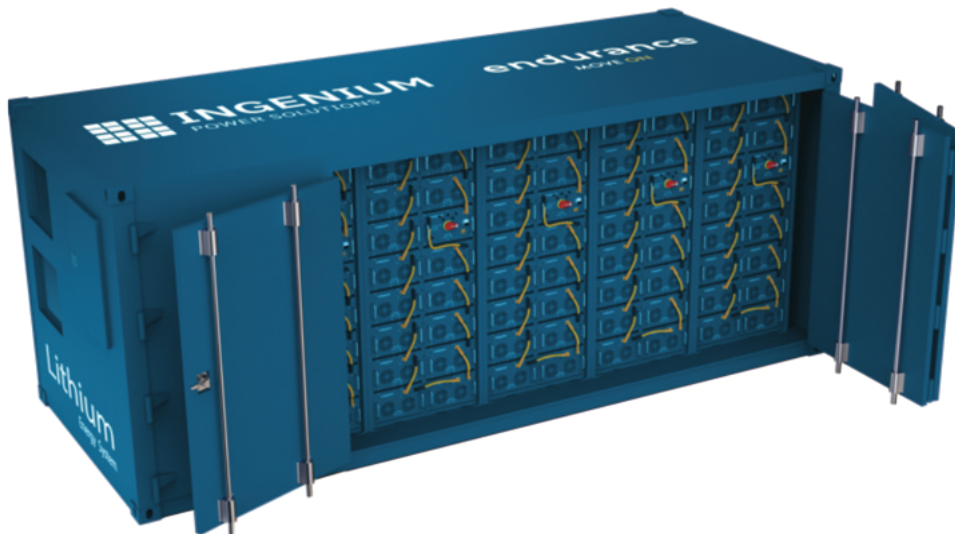


## Maximize your energy savings with our innovative solution

**An entirely european product with a european warranty**, our BESS is designed to optimize the energy efficiency of your system. Equipped with 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.

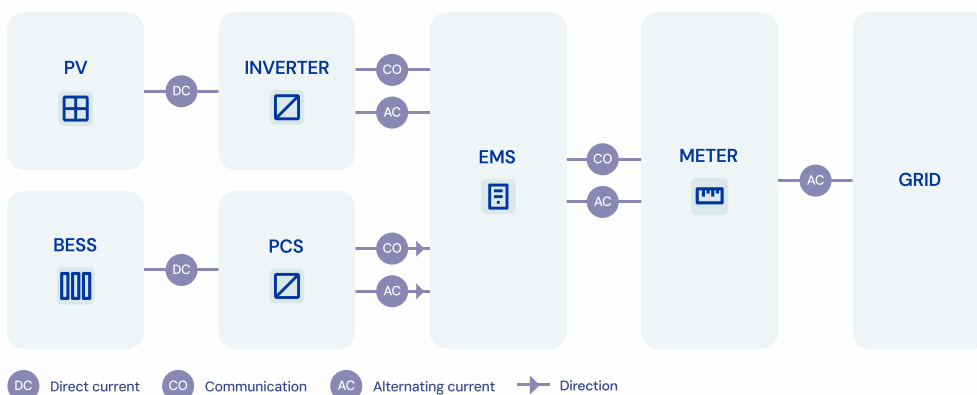
#### European Production

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 )	7000x2440x3000 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 altitude (m)	2000
Display	PDMU + External Display + Remote Monitoring
Communication	CAN BUS / MOD BUS
Compliance	CE / UN38.3 – CEI 0–16*

## 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	

\* Parallel batteries up to 16 Racks.

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