

endurance ST 4MWh



Empowering Renewable Energy with Storage

Our utility-scale solution, a robust 4MWh container, serves as a key enabler for clean electricity generation, seamlessly integrating with various renewable technologies. The longer duration and cost-effectiveness of our storage solution unlock opportunities for versatile hybrid solutions, compatible with both wind and standalone storage applications.



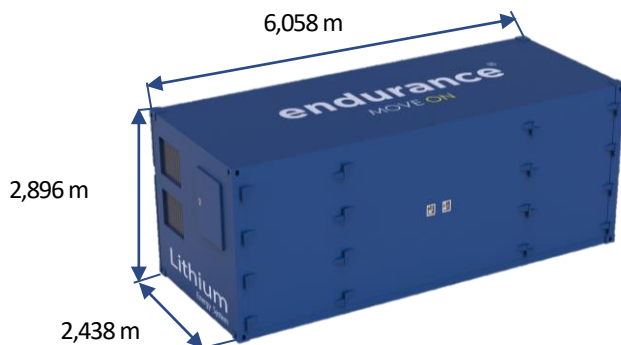
Evolving Storage Duration

Improvements in storage duration: we reduce costs by increasing and optimising capacity. Our products allow energy to be stored and used strategically at key moments to avoid fines associated with exceeding the contracted power and furthermore reduce costs during periods of high rates.



The Evolving Landscape of Seasonal Storage

On the path to 100% clean energy, seasonal storage is becoming a pivotal player offering diverse functionalities within the transformed energy system. Thanks to their adaptability and efficiency, our cutting-edge storage solutions redefine the future of sustainable energy and provide companies with the agility needed to thrive in this dynamic era.



Empowering Growth in Storage Solutions

Unlocking unprecedented potential, the surge in utility-scale battery energy storage is reshaping the economic landscape. With fierce competitiveness, this innovative solution takes center stage in effectively managing peak capacity, paving the way for remarkable growth opportunities.



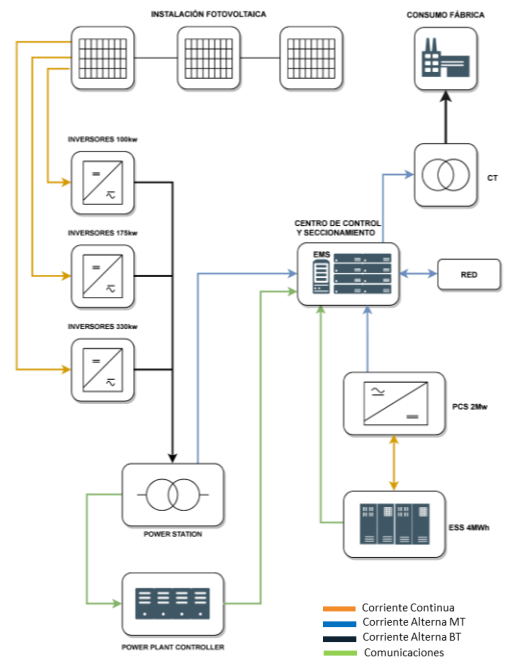
Technology Evolution

In the next few years, lithium-ion batteries are expected to dominate the storage market.



Revolutionizing Capacity with Storage

As a dynamic capacity resource, battery arrays seamlessly harness renewable energy inputs, ensuring a harmonized balance between energy absorption and output requirements.



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Type Designation	Endurance ST 4 MWh
Technology	LFP
Configuration	10*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	3060A
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 Controlled
General Data	
Dimensions (W"H'D)	6,058*2,438*2,896 m
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	0% - 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*
Warranty	
Cycles	5000**
Years	5

* In progress,

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

