

Endurance ST 5MWh



Empowering Renewable Energy with Storage

Our utility-scale solution, a robust 5MWh 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.



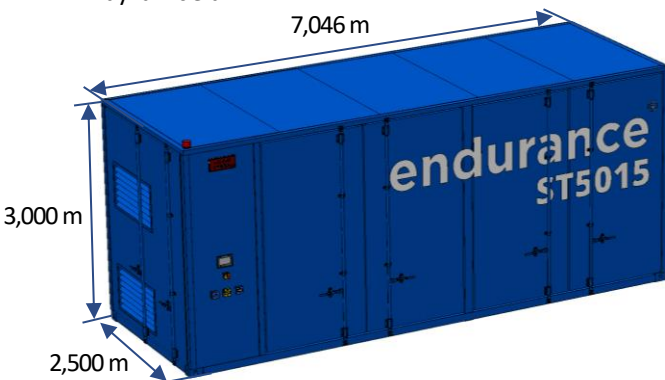
Evolving Storage Duration

We reduce costs by increasing and optimising storage 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.



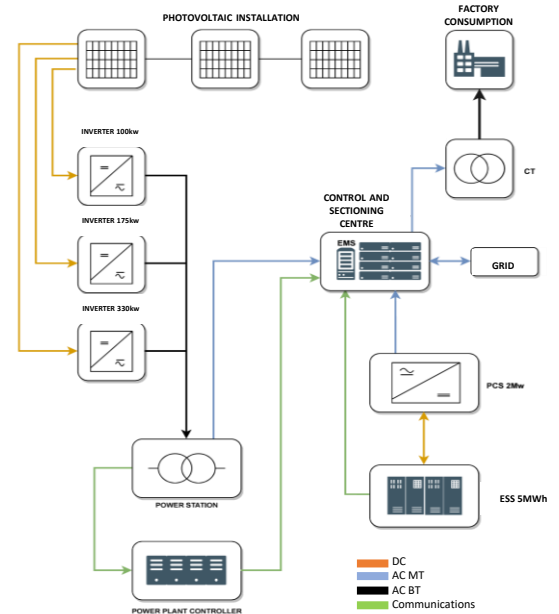
Technology Evolution

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



Revolutionizing Capacity with Storage

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



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Endurance ST 5MWh

Characteristics	Endurance ST 5 MWh
Technology Cell	LFP 314 Ah
Total Capacity	5.015.962 Wh
Configuration	12*1P416S
DC side	
Max DC voltage	1497,6V
Nominal DC voltage	1331,2V
Min DC voltage	1123,2V
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
General Data	
Dimensions (W*H*D)	7046*3000*2500 mm
Standard charge and discharge	0,5C
Sound emission (dBA)	MAX 55
Weight	53 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 air cooling
Max operating altitude (m)	4000
Derating operative altitude (m)	2000
Display	PDMU + External Display + Remote Monitoring
Communication	CAN BUS / MOD BUS
Warranty	
Cycles	8000**
Years	5**
Compliance and Regulations	
Electromagnetic Compability (EMC) 2014/30/EU	UNE-EN 62919:2022
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	
<p>*Total battery capacity will depend on commercial availability of LFP lithium cells used in the battery configuration</p> <p>**This product is subject to specific warranty conditions. Please refer to the terms and conditions for detailed information on the applicable warranty.</p>	

