

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.



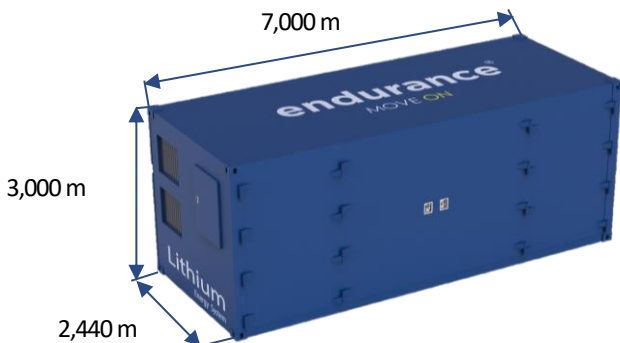
Evolving Storage Duration

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.



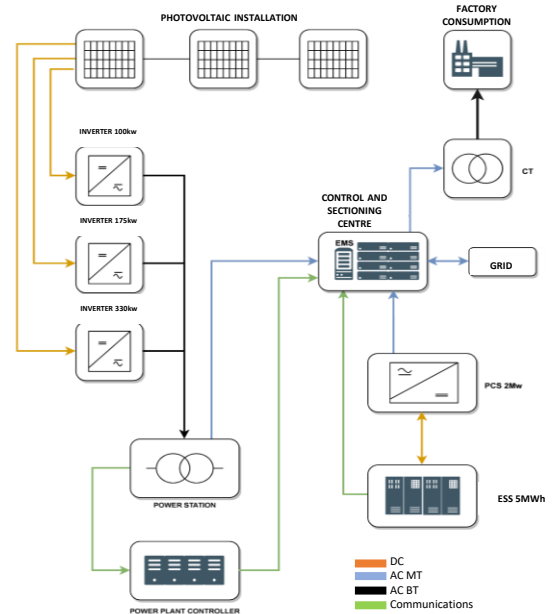
Technology Evolution

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.



Inscripción RII-PYA: 1785
Rev 071024

C/ La Bernia 1, 46529 Canet de Berenguer - Valencia – España
www.endurancemotive.com



Endurance ST 5MWh

| Characteristics | Endurance ST 5 MWh |
|--|---|
| 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 |
| General Data | |
| Dimensions (L*W*H) | 7000*2440*3000 mm |
| Standard charge and discharge | 0,5C |
| Sound emission (dBA) | MAX 55 |
| Weight | 43 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* |
| 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.



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