EnerC

Outdoor Liquid-Cooling Battery System

Battery Energy Storage for Your Needs



ECO STOR

Unlock Scalable Energy Solutions with ECO STOR and CATL's EnerC

Discover the ultimate in energy storage flexibility with ECO STOR's integrated systems, featuring CATL's EnerC. Whether you have a large scale project or want a smaller 1 MW system, these components paired with our advanced ECO STOR control systems and know how, we offer one of the most versatile solutions on the market today.

Why Choose ECO STOR?

• Unmatched Scalability

From a single container for your building,facility, or fast charger, to expansive solutions scaling up to tens of MWh for large-scale battery plants, our systems grow with your needs.

• Seamless Integration

Designed for effortless integration, our platform can connect with your existing infrastructure, reducing costs through peak shaving and storing excess solar energy. Plus, we support integration with your chosen aggregator for participation in frequency and ancillary markets.

• Nordic Engineering Excellence

Developed in-house by our expert engineering team in the Nordics, the ECO STOR platform ensures consistent performance and reliability across all components.

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Top-Tier Partne<u>rships</u>

ecostor

We collaborate with industry leaders like CATL to bring you top-quality systems at the most competitive prices.

ecostor



20 foot high cube (6058*2438*2896mm)

High level of safety

- LFP batteries with high thermal stability
- Integrated fire supression system
- Meets the requirements of outdoor applications
- Decreased footprint

Long service life

- Integrated liquid-cooling system
- Industry leading degredation hitting 60% state of health at 1 cycle per day at 1C

🦫 High integration

- Modular design with a high energy density, saving the floor space
- Delivered fully assembled, ensuring fast and low cost installation on-site
- Scalable design supporting everything from C&l applications up to large-scale front-of-meter battery plants

FTM Skid





High integration

- Switch gear included
- RMU providing system reduncency in case of electrical failures
- Reduced installation time
- Integrated fire supression system

- Simplified site layout
- Reduced site space requirements and integration time due to system
- High efficiency due to reduced cabling requirements

Illustrating scalability



Elevate Your Scalability

Our solutions excel in scalability, adapting seamlessly to your connection's voltage requirements.

For tailored guidance on the ideal fit for your needs, contact our team. We specialize in optimizing systems to perfectly match your unique connection specifications.

Unlock growth confidently with our customized solutions for your business.

Specifications

EnerC

Voltage Range	1040~1500VDC
Auxiliary power supply (1P)	3AC 380480V
Operating Ambient Temperature	-25 oC+55 oC
Cell Certifications	UN38.3, UL1973, IEC62619, UL9540A
System Certifications	IEC62477, IEC62619, IEC62933-5-2, IEC63056, UL1973, UL9540A, IEC61000-6-2/IEC61000-6-4



FTM SKID

Transformer model	Oil Type
Transformer Vector	Dy11-y11
Colling Method	ONAF
Winding Material	Aluminium
Transformer Oil	Natural ester insulation oil
Transformer Efficiency	IEC Tier-2
Switchgear Type	Ring Main Unit, CCV
Rated Operating Current	630A
Switchgear Short Circuit Rating	20kA 1s



Key Considerations



Ideally maintain above 8 meters from building and combustible materials. In cases where this is not possible, a risk review will have to be done to approve the site.



The installation site should not be near escape routes, busy areas, or where heavy objects might cause damage. Avoid flood-prone or unstable ground and install away from noise-sensitive areas.

000 000 Unit Spacing

Make sure that you have enough space to install all systems as per described in the data sheet. As a general rule you should have 50 cm between units to prevent fire spread and allow colling. This however, will be an individual evaluation depending on the final chosen product.



In some cases in, in very public areas, such as schools, we recommend fencing off the BESS to limit accessibility.



Once you are ready to go ahead with your project, you will need to obtain the necessary approvals, level the site and make sure it can support the BESS's weight. ECO STOR will be available to help and advice on these matter.

Contact

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ECO STOR is a Norwegian based company focusing on both 1st and 2nd life battery energy storage systems. Our headquarters and development sites are based in Oslo with additional offices in Sweden, the UK, Germany and the US.

Our team comrpises of engineers, developers and project managers who are dedicated to delivering the very best systems and integrations of BESS.

We only deliver top tier and the best quality batteries and components to ensure the highest level of quality and integrity to our customers. And believe it or not we also have very competite prices. (Don't believe us? Ask us for a quote)

We understand that each case and customer is different and excel and delivering the highest level of customer service. Should you have any questions, do not hesitate



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