

# Dolphin Smart Energy Storage System



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### Corvus Dolphin Energy ESS Awarded LR Type Approval

With its lightweight construction, high energy density, and innovative modular design, the Dolphin NxtGen ESS is optimized for both space and weight efficiency, essential elements in vessel design.

### Corvus Dolphin

The Dolphin Energy ESS is specifically designed for lightweight applications. Dolphin Energy combines outstanding energy density and a reasonable power density with the highest level of safety, setting new ...



### Corvus' Dolphin NxtGen ESS gains Lloyd's Register approval

The ESS features a lightweight construction, high energy density, and a modular design that optimises space and weight efficiency, vital for both small and large battery installations.

## Lloyd's Register approves Corvus Energy's marine battery system

Norway-based energy storage company Corvus Energy has received type approval from the UK-based classification society Lloyd's Register (LR) for its Dolphin NxtGen Energy marine battery system.



## Jinko Launches Dolphin 520 kWh Battery to Power Factories

The system supports 1 to 12 units per deployment, scaling storage up to 6.24 MWh without reengineering infrastructure. It's plug-and-play, modular, and ready for mixed grid/off-grid use. With IP55 and ...

## Dolphin NxtGen Marine Battery System gets LR' Approval

Corvus Energy has received Type Approval from Lloyd's Register (LR) for its Dolphin NxtGen marine battery system. This approval confirms that the energy storage system meets the strictest rules, ...



 **Efficient**  
Higher Revenue

 **Intelligent**  
Simple O&M

 **Flexible**  
Abundant Configuration

- Max. Efficiency 97.5%
- Max. PV Input Voltage 100V
- 150% Peak Output Power
- 2 MPP Trackers, 150% DC Input Oversizing
- Max. PV Input Current 15A, Compatible with High Power Modules

- IP65 Protection Degree: support outdoor installation
- Smart 1V Curve Stagnates Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead acid and Lithium Batteries
- Max. 6 units in series Parallel
- AFCI Function (Optional): when an arc fault is detected the inverter immediately stops operation

## Corvus marine battery system earns LR type approval

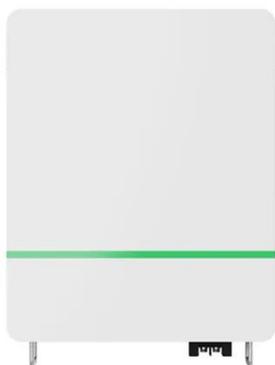
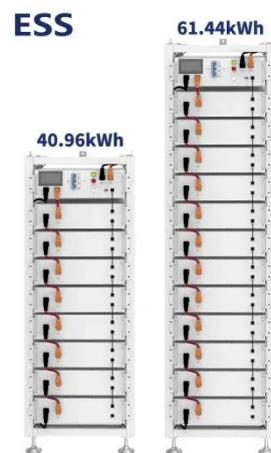


With its lightweight construction, high energy density, and modular design, the Dolphin NxtGen ESS is optimized for both space and weight efficiency aboard vessels such as passenger ferries, tourist and ...

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## Corvus Energy's Dolphin Battery Gains Lloyd's Approval

Drawing on the technology of the Corvus Orca Energy Storage System (ESS), which is the most widely used marine battery globally, the Dolphin model incorporates advanced safety measures.



## Our products , Corvus Energy

Corvus Energy is at the forefront of developing zero-emission solutions, including a full range of marine battery energy storage and fuel cell systems. Many of the world's first all-electric and hybrid vessels are powered by ...

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