

# Silent-Yachts launches new drivetrain

December 13, 2023 10:59 pm

*The solar-electric catamaran builder has released two Silent 62 catamarans featuring the next-generation Silent drivetrain.*



**Silent 62 new drivetrain electric motors**

Silent Yachts has launched two hulls of its Silent 62 solar-electric catamarans featuring the Austrian-owned builder's brand-new drivetrain.

Set to be offered on all future Silent models, the next-generation drivetrain features an upgraded battery – certified by DNV-GL and Lloyd's Register – featuring higher energy density and greater capacity. It also offers faster charging rates due to optimised thermal management for the cells.



***Silent 62 new drivetrain electric batteries***

Other key features of the new water-cooled battery include an extended lifespan with over 3,500 recharge cycles. A watertight Ingress Protection (IP) rating of 65, along with a self-contained monitoring and extinguishing system, ensures the highest levels of safety on board.

With an efficiency rating of about 96 per cent, the new electric motors offer the highest efficiency throughout the operational range currently available on the market, according to Silent-Yachts.

This is achieved by leveraging the latest Synchronous Reluctance assisted Permanent Magnet (SRPM) technology. Like the batteries, the motors' compact, robust structure is protected by an IP65 enclosure to maximise reliability.





***Silent 62 new drivetrain propellers***

The new drivetrain also features full-carbon propellers shaped like submarine propellers, a design that helps reduce vibrations and noise, increasing efficiency and delivering silent cruising.

Michael Köhler, founder and CEO of Silent-Yachts, said: "It's our most efficient, silent and high-tech drivetrain to date, resulting in more range and higher top speeds. The carbon propellers ensure the ultimate on-water relaxation for owners and guests while boosting the efficiency rating to an unprecedented level for yachts."

### **MEETING ROOM VERSION**

Of the two hulls with the new drivetrain, one has the popular front-exit design with four guest cabins and one crew cabin.





***Saloon of Silent 62 with 'meeting-room layout'***

The other has a special layout based on the front-master design, but using the forward suite as a fully equipped meeting room that can be used to host business events. The yacht is available for charter and will be berthed in Florida.

Instead of a double bed, there is a large table in the centre surrounded by seating for up to 10 people. The starboard side of the room still features an en-suite bathroom. When needed, the meeting table can be lowered and covered with a mattress to become a large bed.



***Forward meeting room for up to 10 people***

In addition, one 'cabin' in the starboard hull has been converted to a meeting room for up to six people, while the saloon can also double as the largest of three meeting rooms.

"The owner plans to also use the yacht for business events on board," Köhler said. "Based on the layout of the front-master version, the owner decided to redesign it to match his specific needs. It's the first Silent catamaran to feature the possibility of several meeting rooms."



*Starboard meeting room for up to six people*

Another highlight of the yacht is the custom system from Martin Audio. The 32 speakers comprise five on the flybridge, 17 outdoor on the main deck, seven in the saloon, with the balance in the two meeting rooms.

Furthermore, the yacht has an enlarged hydraulic swim platform that offers enough space for two electric jet-skis that can be directly connected to the yacht and recharged easily.

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