

## Product presentation of SilentShark wind generators

We would like to give you a short overview on the specifications of our **two newly developed SilentShark wind generators** in the 450 watt and 600 watt class, available each in 12V, 24V and 48V.

Our invention, the former blue „whisper blades“, has been on the market since 2009 as replacement rotor blades for the Air wind generators.

Current rotor blades are further optimized aerodynamically and have a two- or three-colour paint finish for better visibility for people and animals!



**SPRECO** (formerly located in Europe) represents decades of successful development of wind generators by German engineers (1st generation: SPRECO Windgenerator - 2nd generation: Silentwind). As a result of the further development of the wind generators, SPRECO now presents the new SPRECO **SilentShark models, the third generation with a high-performance wind generator** that has been completely redeveloped in its essential design elements.

**The main differences** between **SilentShark** generators and competitor products are the following new design features:

1. **The original hand-laminated blades made of carbon fiber reinforced epoxy plastic CFRP, UV-protected, have been further developed aerodynamically to further minimize the development of noise and cannot be destroyed by air forces** and are therefore storm-proof. Successful wind tunnel tests in accordance with DIN at Wind Guard in Bremerhaven/Germany have certified the hurricane suitability of the CFRP blades. For optimum running smoothness, these rotor blades are now **automatically centered** on a new type of hub during assembly using a **conical mount**.
2. An **additional safety feature** in the form of the **automatic high-wind brake** registered with the German Patent Office, which is built directly into the generator, completely independently of the regulator electronics.
3. In practice, improved mass distribution and the **design-protected SHARK fin** made from glass fiber reinforced epoxy plastic ensure **stable alignment of the wind vane** (even in rough seas and when a sailing yacht is tilted). This ensures a particularly constant, less fluctuating charging performance.
4. The rotor axles are mounted on **bearings on both sides**, so they run more smoothly/vibrate less and the ball bearings have a longer service life.
5. The **MPPT hybrid boost wind solar charge controller** included in the scope of delivery charges at low RPM. A manual stop switch can be connected and a temperature sensor for the batteries is included. The charge controller has two 10A switching outputs (not 48V versions) + max. 300Wp solar input. Thermal problems cannot occur due to the robust aluminum housing. The

charge controller does not require a noise-generating fan! Suitable for all climate zones.  
The basic parameters are preset. Adjustment is made with just one scan button.

6. The generators can be operated completely **independently** thanks to the **built-in patented high-wind brake**.

Useful accessories in high quality polished SS 316 such as versatile mast base brackets, sound-absorbing flange and easy-to-send screw mast round off our range.

Instructions for our products are available in **English, French, Spanish** and **German**.

Further informations you will find in the product data sheets or in the manuals on our website!

Please do not hesitate to contact us if you have any further questions.

Fair Winds

SPRECO TEAM

Friedrich Sommer

**Spreco (Thailand) Co.,Ltd**

A Thai company ltd. under german management

**www.sprecowindgenerators.com**

**mail@nautic-innovations.com**

**mail@sprecowindgenerators.com**

137/2 Thung Wang Road, M.5, T. Phawong, A. Muang Songkhla

90100 Songkhla / Thailand

Tel. +66 94 587 2899

You can meet us at:



19.-21.11.2024, Amsterdam, Netherlands  
(exhibition only for professionals in the marine industry)



Boot Düsseldorf, 18.-26.1.2025, Düsseldorf, Germany