

SilentShark S401 Quick Installation Guide

Please download the latest version of our user manual from our website www.sprecowindgenerators.com.

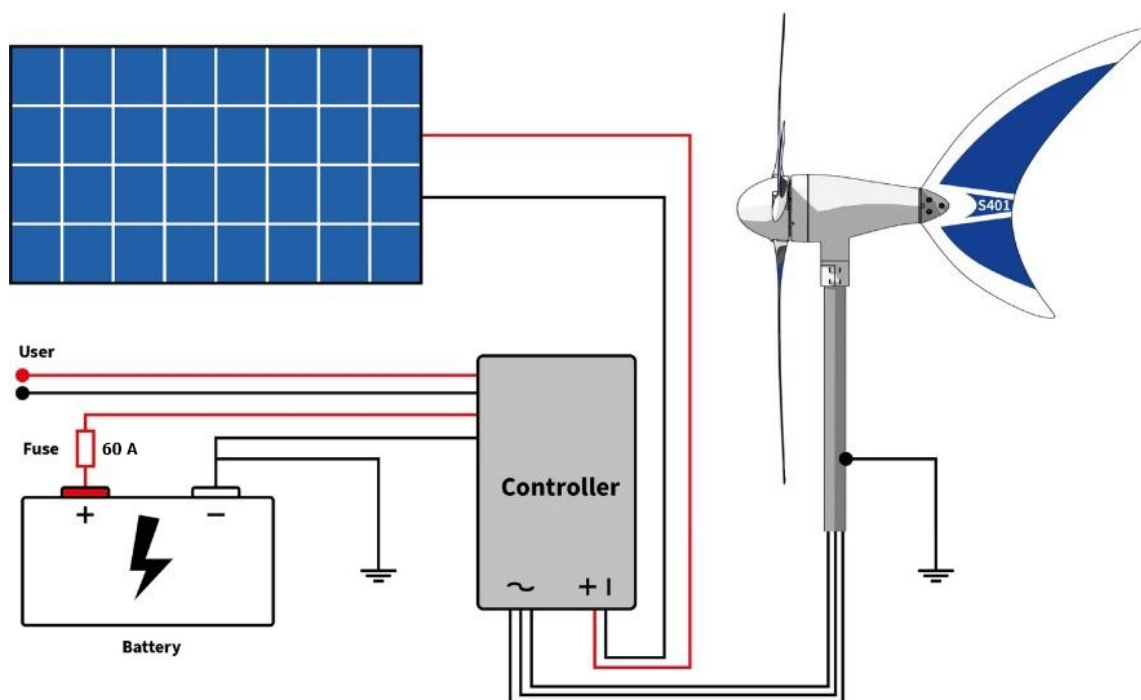
For **experienced users**, we offer a quick installation guide here. If in doubt, please refer to the relevant information in the detailed user manual, which is → referred to in this way!



Caution: The installation and operation of a wind generator is associated with mechanical and electrical risks. (→p.4,5,6,9 etc.)

Preferably install the wind generator on a windless day!

The following diagram provides an overview:



1. Determine the installation location of the wind generator mast and the hybrid charge controller (→p.7, 10). With lead-acid batteries, the charge controller must not be installed directly next to the batteries. **Danger of explosion! Ensure sufficient ventilation!** Install both.
2. Lay the required cables so that they are not subject to mechanical stress. Ensure sufficient cable dimensioning (→p.5,9,10). Do not connect the cables yet!
3. Mount the rotor blades on the hub using the enclosed screw set (→p.13)
4. Mount the fin on the generator (→p.13)
5. Mount the wind generator with the noise decoupling insert on the mast. First connect the connecting cables running in the mast to the charge controller on the generator (→p.13,14).
6. Mount the set of rotor blades on the shaft of the wind generator. Do not forget the 3.5 mm spacer ring. (→p.14) Attach a rotor blade to the wind generator mast using a piece of rope.
7. Mount the front cover (nose). (→S.14)
8. Now connect the three cables coming from the generator to the charge controller. Polarity does not need to be observed.
9. Connect the hybrid charge controller to the battery with the **correct polarity** (!). Do not forget the 60A fuse in the (+) line! (→S.14)
10. Install the external stop switch (additional part) with the enclosed wiring harness. **No voltage** may be applied to the input of the stop switch on the charge controller. 10.
11. Remove the piece of rope with which a rotor blade was secured to prevent the generator from starting.
12. If there is sufficient wind, the generator will now start if the stop switches are not activated or the batteries are full and everything else has been done correctly. Troubleshooting(→p.17f.)Checks (→p.16)
13. Set the necessary parameters (in particular the end-of-charge voltage as specified by the battery manufacturer) on the charge controller (see user manual of the hybrid charge controller)
14. Enjoy years of operation from your new wind generator!