



Super Silent 420 Quick Installation Guide

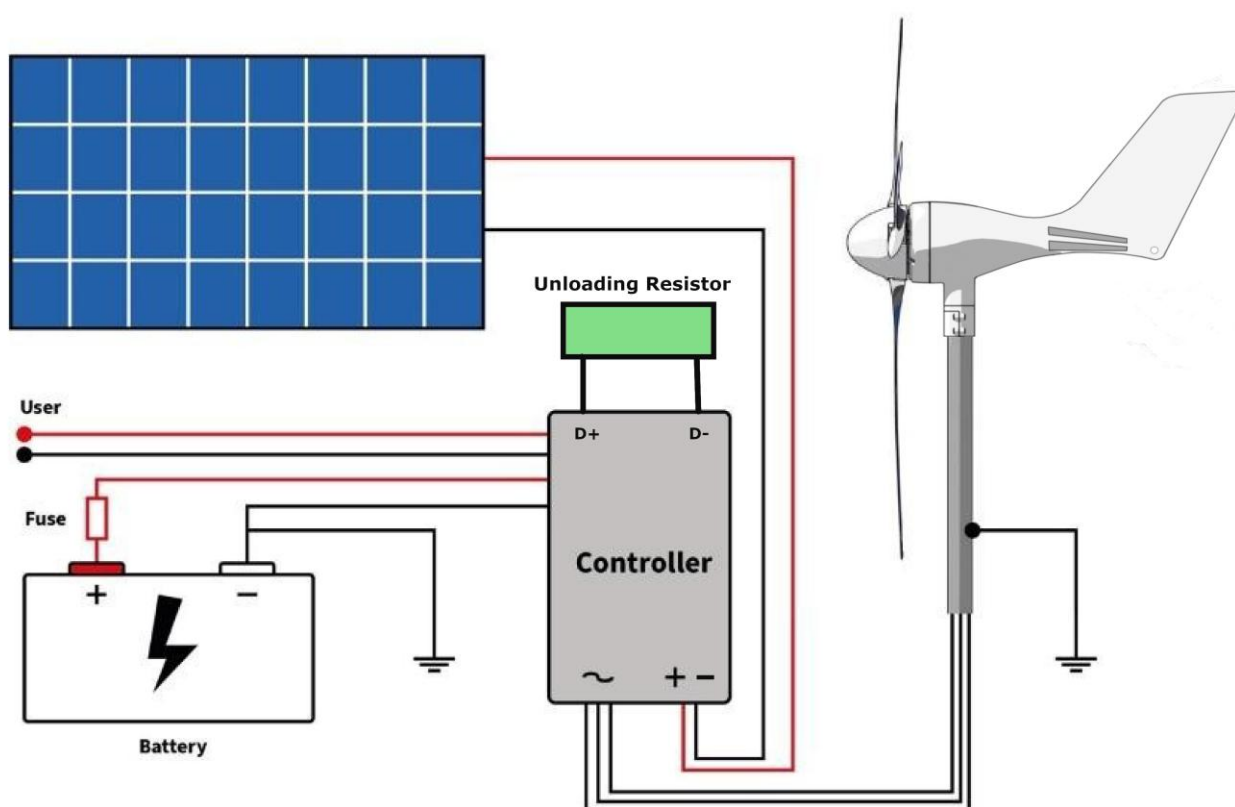
Please download the latest version of our user manual from our website

<https://www.supersilent.org/support>

For **experienced users**, we offer an assembly quick guide here. In case of doubt, please refer to the detailed information in the user manual.

Attention: The assembly and operation of a wind generator involve mechanical and electrical risks!

It is preferable to mount the wind generator on a calm day! An overall overview is provided in the following diagram:



1. Determine the installation location for the wind generator mast and the hybrid charge controller. For lead-acid batteries, the charge controller must not be mounted directly next to the batteries.
Explosion hazard!
2. Ensure sufficient ventilation! Mount both components. Lay the necessary cables so that they are not mechanically stressed. Make sure the cables are of adequate size. Do not connect the cables yet!
3. Attach the rotor blades to the hub using the supplied screws.
4. Mount the wind generator with the noise decoupling insert on the mast (optional). Beforehand, connect the cables running through the mast to the charge controller to the generator.
5. Install the rotor blade set onto the shaft of the wind generator.
6. Secure one rotor blade with a piece of rope to the wind generator mast.
7. Attach the front cover (nose cone).
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!
10. Install the external stop switch (optional accessory) with the included wiring harness.
11. Remove the rope that was securing a rotor blade to prevent the generator from turning.
12. If there is enough wind, the generator will start, provided the stop switch is not activated. Troubleshooting tips and checks can be found in the user manual.
13. Set the necessary parameters (particularly the charging end voltage as specified by the battery manufacturer) on the charge controller (see the user manual of the hybrid charge controller).
14. Enjoy years of operation with your new wind generator!

