



# Portable solar powered fans

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This solar-powered fan is designed for permanent installation and can be used for multiple applications, like cooling a loft or chicken coop. The fan comes in either 12- or 14-inch diameters, and it features five stainless-steel fan blades in a heavy-duty casing. It's ideal for spaces up to 1,500 cubic feet, and the fan motor is said to have a lifespan of more than 10,000 hours.

If you need to cool a large space, we recommend this solar-powered fan, which offers coverage up to 4,200 feet. It has a built-in thermostat switch that turns the fan on or off automatically based on the temperature. The unit comes programmed to turn on when the temperature is above 77 degrees and off when it's 65 or lower.

Its solar panel can be wall- or gable-mounted, and it comes with a 32-foot cable to connect the two components. The fan also has a traditional plug-in power supply, which automatically takes over if the solar panel isn't producing enough power to keep the fan running.

Have an outbuilding like a greenhouse or shed that you want to keep cool but don't want to wire? This exhaust fan is our pick. Powered by a 20-watt solar panel, this model features two five-inch fans mounted to an acrylic panel, suitable for spaces up to 200 cubic feet.

The kit comes with a waterproof solar panel that's roughly 14 x 7 inches, and an 11-foot cable allows you to mount it quite far away from the fan itself. However, the two fans can't be separated, and there's no built-in battery, meaning the fan only runs during the daytime.

The fan features sealed ball bearings for quiet operation, as well as a thermal-protected motor, and it comes with a 15-foot bale to connect it to the solar panel. There's also mounting tabs for the panel, and the quick-connect wires make for easy DIY installation.

The fan can be reversed, if needed, to pull fresh air into the greenhouse, and it's also backed by a 25-year warranty. The only downside is that no built-in battery means daytime-only operation.



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The solar charging panel is on the back, and it can last for up to 20 hours per charge, depending on which of the four speed settings you use. It even juices up smartphones and other devices via USB cable, which comes in handy when you're out in the wilderness.

If the chicken coop lacks electricity and you want to go solar, consider this well-priced, permanent model. The small fan has a weatherproof design that keeps out wind and rain, and it connects to the solar panel via a 16-foot cable. It operates fairly quietly so as not to disturb your birds, but it only works on sunny days, as there's no battery to store excess power.

If you have a gable-style roof, this model can help keep your home cooler by pushing air out of your attic. The fan is 14.5 inches in diameter, and it's powerful enough to cool down spaces up to 2,400 square feet.

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