



# 100 watt wind turbine generator

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Giosolr 100W wind generator has high wind energy utilization, low operating ...

The 100W horizontal axis turbine is designed for easy installation and maintenance. The compact size of the horizontal axis turbine makes it ideal for urban areas or locations where space is limited.

1. The starting speed is slow, and 3 or 5 blades can be selected in different wind speed regions, and the wind energy utilization rate is high. 2. Easy to install, tube or flange connection is optional. 3. The blade adopts the new technology of precision injection molding, with optimized aerodynamic shape and structure, which improves the wind energy utilization rate and annual output. 4. Cast aluminum alloy body, can rotate 2 bearings, can resist strong wind, safer operation. 5. Patented permanent magnet alternator with special stator, which effectively reduces the torque and matches the wind turbine with the generator to ensure the performance of the whole system.

Wind power is the conversion of the kinetic energy of the wind into mechanical kinetic energy and the conversion of mechanical energy into electrical kinetic energy. The principle of wind power generation is to use the wind to drive the rotation of windmill blades, and then increase the speed of rotation through the speed increasing machine to promote the generator to generate electricity. With current windmill technology, a breeze of about three meters per second (the size of the breeze) can start generating electricity. Wind power is becoming a craze in the world because it does not use fuel and produces no radiation or air pollution.

Buy a low cost 12/24V vertical wind turbine online, with blades made from durable alloys that can withstand the impact of strong winds without damage. 100W vertical axis wind turbine use state-of-the-art technology to ensure reliability and long life, making it the ideal solution for areas with variable wind conditions.

The battery is charged by the wind turbine and solar panels through the controller, and the DC output port of the controller directly supplies power to the DC load. On days without wind or light, the power output by the wind turbine and solar panels is not enough to charge the battery, which can cause the battery to be under-voltage. In this case, the controller output dry contact control signal automatically switches to the grid power to supply the load.

Tips: What does a 100W vertical axis wind turbine do?

The 100W vertical wind turbine has been engineered with high-quality materials, ensuring it can withstand harsh weather conditions and last for many years. It features a unique aerodynamic design that maximizes the wind's kinetic energy to generate power. The turbine operates quietly and efficiently, with minimal maintenance required, making it an excellent investment for anyone looking to reduce their energy bills while contributing to a greener planet. Get your hands on the 100W vertical wind turbine today and take the first



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step towards sustainable, clean energy.

## Vertical Axis Wind Turbine Generator VAWT EN-100W-XL

The permanent magnetic EN-100W-XL wind turbine has high-efficient energy output, is the most compact, quiet, rugged and reliable spiral vertical axis small wind turbine.

The EN-100W-X is designed on a unique low inertia axialfluxgenerator which utilizes Neodymium permanent magnetic material.

The EN-100W-X wind turbine is widely used in LED lighting system, street signal & camera security, outdoor telecommunication system and off-grid residence.

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