12000 watt wind turbine



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Start feeding at 2.5 m/s wind speed after start-up, depending on the repellent. Wind power station especially for inland areas with weak to moderate wind conditions. From an average wind speed of more than 6.0 m/sec. a repellent with a diameter of 5.8 m is used.

Permanent magnet rotor, no brooms, no gears, no maintenanceHigh efficiency thanks to extremely powerful permanent magnets (permanent NdFeBo magnets, temperature-resistant up to 150 degrees)Special ball bearings for safe reception of radials and axial forcesTriphas? three-phaseSeparate re-backerAny sense of rotationTension 0-1000 VDCFeeding starts at about 65 rpmPower: 12,000 watts at 255 rpm u 500 VDC-ever-increasing performance curveWeight: 160kgAluminium case, surface cooling, standing assemblyDegree of IP56 protection

Connecting the hub with aluminum strap and pressure discStainless steel screws with counter-nuts3 fiberglass laminate rotor blades /carbon fiberComputer-assisted aerodynamic profile, hand-rolled, with edge protectionReducing noise with fins on the ends of the blades6.50 m in diameter (optional 5.80 m - 6.0 m/s average wind speed)Weight of a leaf: about 14.0 kg- dynamically and statically balancedSense of rotation before "right"Maximum speed 255 rpm.GRP spinner capThe colour of the rotor according to the customer"s requirements

Girouette ("natural white" weather-resistant HDEP, slightly transparent)Stainless steel square tube as a support elementAll stainless steel screw fittings and supplied with locking nutsSteel support as a generator support element, provided as a plug-in connection with azimutal ball bearing, fully galvanizedPatented helicopter padlocksMast adapter with bridle fitting (220 mm tube)

Three-phase monitoring of the generator and the networkRunning parallel three-phase with Smart! Wind 10.0 kWControl electronics for turbine controlConnected connections protected from polarity inversions/connectorsMonitoring the phases of the turbine-operating generatorEmergency switchReset switch with key (removable)Redressor, display, ...18.0 kW braking resistance

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The 12000W Vertical Wind Turbine Generator is a powerful solution for harnessing wind energy right at

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home. It's designed to be efficient and reliable, making it a great choice for anyone looking to reduce energy bills and embrace renewable energy.

Looking for a way to harness the power of wind right from your backyard? The 12000W Vertical Wind Turbine Generator is just what you need! It's designed specifically for home use, making it a solid choice for those who want to make the switch to renewable energy. With its vertical design, this turbine catches wind from any direction, which means you can enjoy consistent energy generation, even on windy days. Plus, it's relatively compact and doesn't take up too much space, fitting neatly into your property without overwhelming the landscape.

This turbine isn"t just about looking good; it delivers impressive performance too! With a power output of 12000 watts, it sperfect for powering your home appliances or even charging batteries for later use. It built to withstand various weather conditions, so you can count on it to keep running smoothly for years to come. If you're eco-conscious and looking to reduce your electricity bills, this wind turbine generator is a practical investment that pays off in more ways than one. Plug into the future of energy and start your sustainable journey today!

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