



5000 watt wind turbine for home use

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Everything with moving parts will make some noise and vibration, and wind turbines are no exception. Most noise and vibration are caused by turbine blade rotation in the wind, causing generator resonance with the rotor and tower. Ramsond turbines are well-designed and work as quietly as possible in both high and low winds.

• Innovative slip ring design Wind turbines with a typical slip ring design often twist and tangle the connection cable from generator to controller. This means the system has to be maintained and adjusted every few months. The Ramsond Atlas" slip ring design solves the problem completely, and gives the Ramsond Atlas wind turbine exception reliability and maintenance-free operation.

The patented rotor features a high quality stainless steel rotor shaft attached to a permanent neodymium magnet; the unique winding and multi pole design reduce the start-up torque of the alternator, assuring generator will produce more power at lower wind speeds than other systems.

The generator housing is made of a high density, precisely-cast aluminum alloy with minimal tolerance and with high quality sealant. This is in part why the Ramsond Atlas wind turbine can work normally in adverse working conditions - the class B insulation and IP56 class protection provide even more resilience. Finally, the Ramsond Atlas generator system is equipped with an over-sufficient overload buffer to ensure overall turbine reliability.

The blades are made from reinforced nylon glass-fiber, formed using advanced thermoplastic engineering and precision injection molding technology for high strength, flexibility, and durability.

Owing to tireless Ramsond R+D efforts, years of technology accumulation/advancement, and the finest workmanship, every 6th generation Ramsond Atlas wind turbine provides excellent performance, durability, and reliability. Following rigorous generator efficiency tests in laboratory conditions, the results have shown what the Ramsond Atlas turbine is capable of. But we expect you'll judge for yourself - our extraordinary results speak for themselves!

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