



200 watt wind turbine with controller

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The TPW series wind turbines have automatic overspeed protection to prevent damage in high winds. The blade assembly is removeable as 1 piece for hurricane protection and ease of assembly.

Now includes a smart battery charging controller to prevent battery over-charge and over-discharge. Controller can be used in conjunction with a solar controller to create a hybrid power system. The system also includes a dump load resistor. Using the dump load resistor can prevent premature braking of the wind turbine in high winds thus optimmizing the power that goes to the batteries.

Wind energy resources are inexhaustible, the use of wind power can reduce environmental pollution, save coal, oil and other conventional energy. Wind power generation technology is mature, relatively low cost in renewable energy, has broad prospects for development. Wind power generation technology can be applied flexibly. It can be connected to the grid or operated independently from the grid. It can also be combined with other energy technologies to form complementary power generation systems. Small wind turbines can provide electricity for production and living in remote areas.

Whisper, a name with more than 10 years of experience in the field, has been re-engineered and launched under the Southwest Windpower family of wind turbines. The Whisper has an all-new look featuring a cast aluminum frame and smooth, quiet operation of the patented "angle-governor" furling design.

The bigger brother to the Whisper 100, the Whisper 200 features a 10 ft. (3.1m) rotor diameter and an 80 sq. ft. swept area that provides the user with greater output at low wind speed averages. The Whisper 200 has twice the swept blade area, providing double the potential energy as compared to the Whisper 100. The Whisper 200 also incorporates a permanent magnet alternator powered with an advanced airfoil, thus capturing the most energy in its class as compared to other competitive wind turbines. The Whisper 200 will deliver 6.3 KWH per day.

Patented Angle-Governor Exclusive to the Whisper, the side-furling Angle-Governor protects the turbine in high winds by turning the alternator and blades out of the wind, reducing turbine exposure. Unlike other wind turbines that lose as much as 80% of their output when furled, the Angle-Governor allows the Whisper to achieve maximum output in any wind.

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