



AF wind turbine controllers

The AF-series wind turbine rectifier controllers are specifically designed for easy and safe control of small-scale wind turbines equipped with permanent magnet generators. The AF-series combines a high efficiency rectifier with over voltage protection, remote controlled start/stop feature, turbine speed limitation, and fault break in one unit.

The power curve for the controllers are easily customizable (with PC software) and based on turbine rotation speed, in contrast to the more traditional generator voltage based power curve found in other small-scale wind turbine controllers.

The included speed limiting function maintains turbine rotor speed within safe limits under all conditions.

The advantages of the sensor-less rotor speed measurement circuit of the AF-series includes significantly improved regulation response, increased energy yield, reduced rotor blade noise, and increased safety through slip ring conductivity monitoring.



Features

- Nominal power 3000 / 5000W
- High efficiency rectifier
- RPM based power curve
- Speed limitation and automatic
- Storm protection built in
- Remote controlled wind turbine start/stop feature
- Automatic fault break function
- Sensor-less rotor speed measurement circuit
- Ultra precise regulation response reduces turbine acoustic noise

Optional

- Built-in dump load resistor
- Display solution
- Online web monitoring interface



Intelligent wind turbine control

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