



## 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 AR-series includes significantly improved regulation response, increased energy yield, reduced rotor blade noise, and increased safety through slip ring conductivity monitoring.



## Features

- Nominal power 1500/3000/4500W
- 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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