

# *Superwind* 350



The *Superwind* 350 is a small wind generator for professional Applications.

Traditional methods of rotor speed control include mechanical furling and electrical load dumping. With mechanical furling, the tail vane angle adjusts to force the rotor out of the wind, or the rotor is tilted up like a helicopter. Electrical furling uses a load dump to create an electrical brake on the generator.

Both methods have reliability and safety issues. For example, should the generator cables to the electrical load dump be damaged, or cut, in a severe storm, there is nothing to protect the turbine from over speed destruction. Mechanical furling with its increased complexity and noise has been the bane of wind generator owners for decades.

These old, cumbersome, noisy, and unreliable rotor speed control methods have now been relegated to history with the introduction of the *Superwind* 350.

Rated at 350 watts, this unique German designed and built turbine uses blade pitch control to regulate the rotor speed. This is the same technology applied in giant multi megawatt turbines.

The resulting low noise, ultra reliability, and safety, sets a new standard in micro wind turbines.

Typical applications include Sailing Yachts, Navigational Aids, telecommunications, remote cottages and mountain huts.

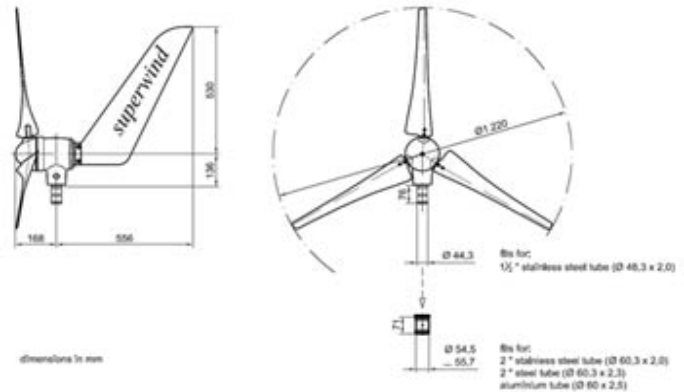
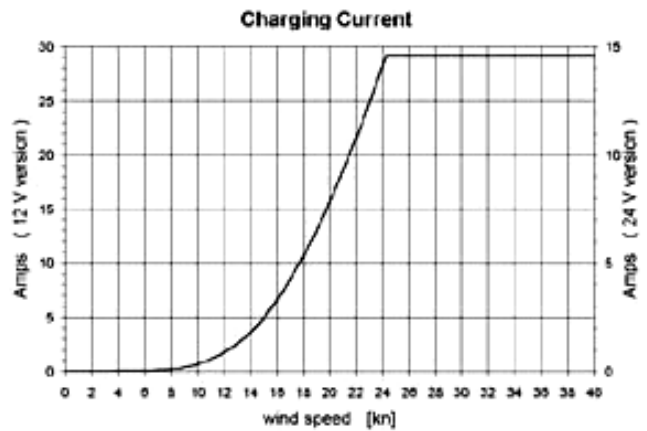
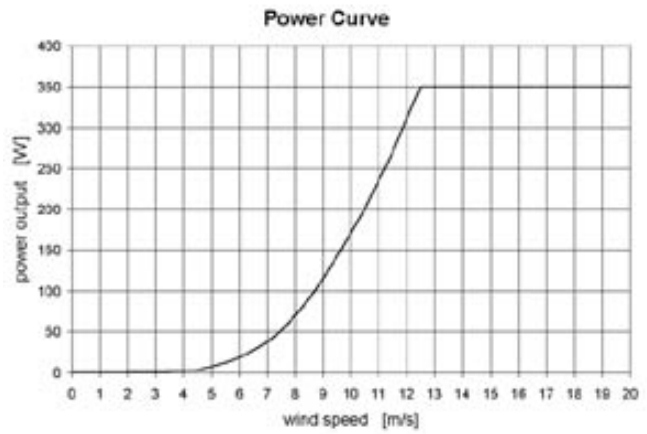
*Superwind* generators are built entirely of high grade materials including stainless chromium steel, powder coated aluminium and carbon fibre reinforced plastics.

Backed with a 3 year warranty, when all factors are considered, there is simply no better choice, or value for money, than the *Superwind* 350



## Technical Data

nominal power	350 W
nominal wind speed	12,5 m/s
cut in wind speed	3,5 m/s
cut off wind speed	none
rotor diameter	1,20 m
number of blades	3
blade material	CFK
rotor speed	500 - 1300 rpm
generator	permanent magnet
nominal voltage	12 VDC / 24 VDC
speed regulation	rotor blade pitch
power regulation	rotor blade pitch
brake	generator short-circuit
weight	11,5 kg
rotor thrust (operation)	70 N
rotor thrust (extreme wind speed)	220 N



**iSustain Australia**

M: 0437 546 067

P.O Box 1809

Atherton QLD 4883

E: [info@isustinaustralia.com.au](mailto:info@isustinaustralia.com.au)

ABN: 41 306 653 562