

Ampair® 100 wind turbine.

12 or 24 or 48 V battery charging power.

Proven pedigree.

The Ampair 100 is built up to a standard, not down to a price. It will contribute towards providing a free and non-polluting energy independent system. The latest version of this machine builds on the proven features of its predecessors; simplicity of the design and uncompromising engineering.

The 6 blade turbine feeds power directly to the generator. Up to 100 watts of continuous power can be produced by the permanent magnets rotating inside "heavy duty" windings that safeguard the generator from burn-out and eliminate the need for thermal cut-outs, chokes or 'complex electronics.' Electrical slip-rings and brushes allow the Ampair 100 to seek the wind and feed the simple two-wire battery connection.

Performance.

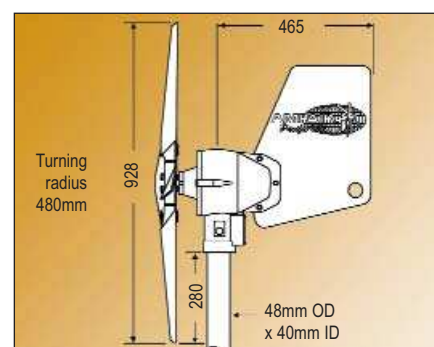
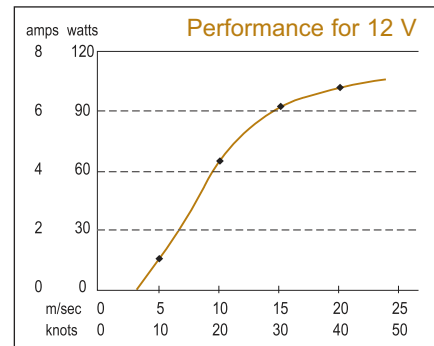
The mechanical and electrical design matches the turbine to the alternator, producing maximum conversion efficiency at normal everyday wind speeds (7-18 knots). The Ampair 100 out-performs many of its competitors at these windspeeds whilst still giving a safe and continuous output in storm force winds.

Multiple applications.

In addition to cruising yachts, Ampair wind generators can be found on hunting cabins in Scandinavia, beach chalets in Tasmania, radar stations in Finland, and are used for radio repeaters in South Africa, telecommunications in the Falklands and several Antarctic expeditions, in fact at any location where 12 or 24 or 48 V battery charging is required.

Reliability.

Engineered to be smooth running, quiet and vibration-free, the Ampair 100 is designed to survive the severest marine environments. All components are sealed to prevent corrosion.



Technical Specifications:

Power Rating	100 Watts maximum
Voltage Options	12 or 24 or 48 V DC
Output	Rectified DC
Start-up Windspeed	3 m/s (6 knots)
Turbine Diameter	928mm
Weight	12.5 kg
Blades (6)	Glass filled polypropylene
Housing	Die cast aluminium (powder coated)