Rutland 503

A completely unique mini windcharger designed with the weekend yachtsman in mind. The Rutland 503 is ideal for trickle charging batteries on board vessels less that 10m in length with battery banks of up to 100Ah. This latest model follows the success of its predecessor the Rutland 500 with a number of enhancements including performance and styling.

- "Safety turbine" is a single injection moulding of 6 aerofoil blades protected by an outer ring.
- Trickle charges in windspeeds as low as 5 Knots
- Produces 25w in 19 Knots
- Produces up to 60w, nominally 5A @ 12V in 50 Knots
- Stainless steel fasteners and marine grade materials
- Turbine diameter of 500mm
- Compact turning radius of just 225mm, great for when space is at a premium
- Latest design improvements - the Rutland 503 is more reliable and efficient than ever!
- No radiated interference - complies fully with BS EN5008-1 1992

Technical Data

Why is *The Rutland* so unique

Balance of System Components:

- SR60 - Shunt type voltage regulator prevents battery overcharge.
- RWS60 Controller - incorporates SR60 in attractively housed controller including ammeter, LED voltage level indicator, charge fuse and simple to wire terminals. Input terminals included for solar panel of maximum 30w
- Marine Mounting Kit supplied in 2 sections of stainless steel tube plus deck fixing and fasteners.

Other System Components:

- Batteries - We recommend deep cycle lead acid batteries, sealed or non-sealed of a minimum capacity of 50AH @ 12V
- Cable - Cable thickness depends on the overall length used between the wind generator, regulator and battery. For distances up to 20m a cable thickness of 2.5mm is recommended. The regulator should always be sited within 1.5m of the battery to minimise voltage losses and ensure accuracy of battery regulation.
- Mounting pole for land based systems - the 503 can be installed on land using Marlec's 1m section of tube. This can be adapted to fit onto a

6m length of 61mm diameter tube available through a local tube stockholder.

- Mounting pole for on-board systems - you can make your own mounting pole using a 31.7mm (1.25") internal diameter tube, the maximum external diameter should be 38mm (1.5").

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