

# Rutland 504 eFurl marlec



renewable power  
Since 1979

Free and abundant wind power keeps your batteries topped up for your professional requirements....

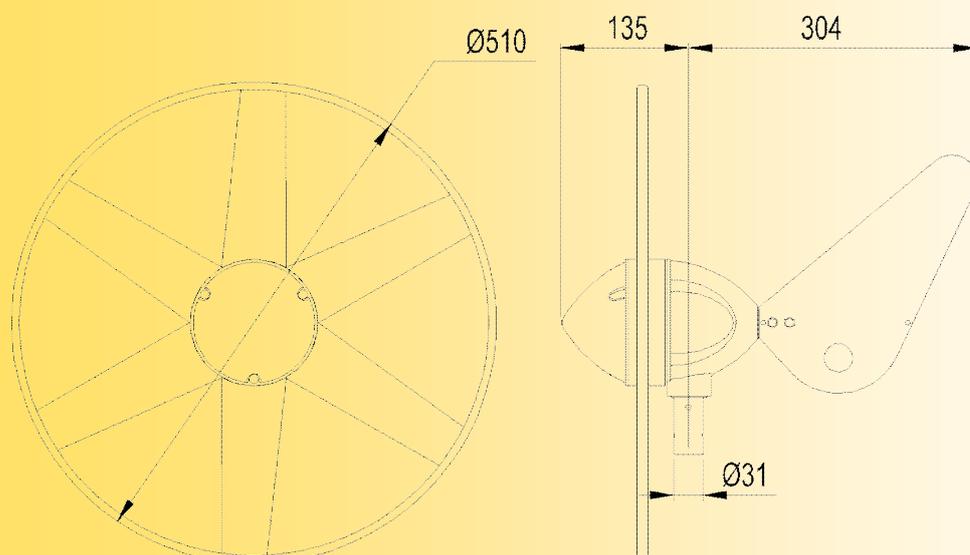
Rutland Windchargers simply and quietly convert the free and abundant power in the wind to power stored in batteries. The 12V power is ready to use for low energy applications. When used as part of a well designed power system, the Rutland Windcharger will ensure that a much more balanced power output can be achieved throughout the seasons than by using a solar only solution. Modern, durable materials for reliability accompany the very high manufacturing standards employed in our ISO9002 certified factory.



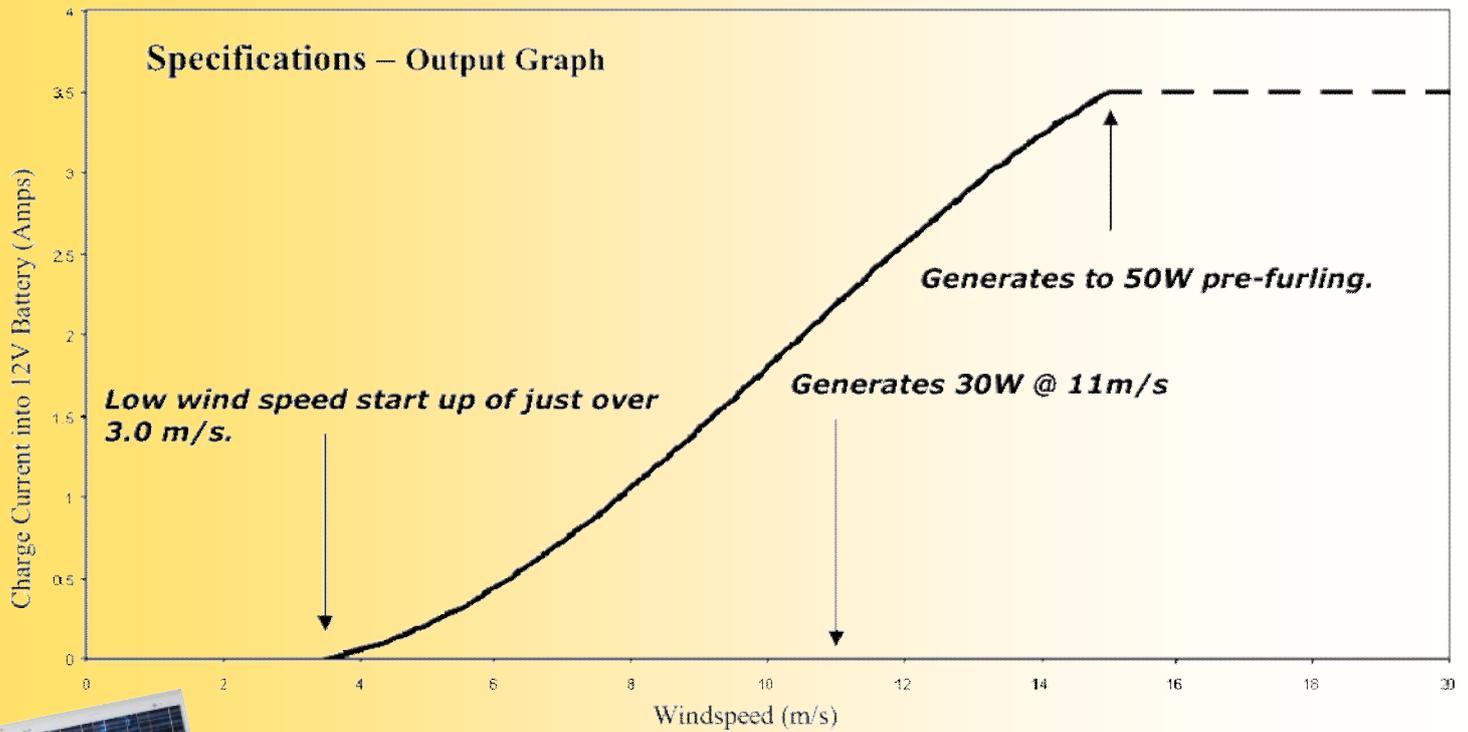
## What's new in the Rutland 504 eFurl?

- Provides a D.C. power supply to charge 12V battery banks where low power is required for electronic devices.
- Designed for land & marine applications.
- Electronic stall regulation provides high wind protection.
- A sharper aerodynamic nose dome to improve the flow of wind to the turbine
- A longer tail fin to improve the orientation of the turbine to wind and maintain stability.
- Higher grade body and nose material with improved UV stability and durability.

The Rutland 504 eFurl model continues to incorporate the "safety turbine" found on its highly successful Rutland 503. The blade tips are protected by the outer ring making this Windcharger ideal for trickle charging anywhere where space is at a premium.



Net Weight: 3.5Kg  
Gross Weight: 6Kg  
Packing Specifications:  
550x550x260mm  
Part No: CA-05/05 (12V)



#### Hybrid Systems

Windchargers are complemented by solar panels for power generation. Hybrid systems offer a reliable solution for providing a balanced supply of power throughout the seasons and to take advantage of the various climates around the world. Here at Marlec we have many years of experience in designing systems for remote applications so please call us for our advice.

What else is needed to complete a system?

**Mounting Kit** – Stainless steel or galvanised tube of 31mm internal diameter (max external diameter 37mm ) will be needed to mount the Rutland 504 eFurl. At least 6m height above surroundings is desirable and poles must be adequately supported to keep the Windcharger totally stable.

**Voltage Controller** –To avoid overcharging choose from the HRSi or HRDi Charge Regulators. The latter has a digital display and dual charging facility and inputs for both Windcharger and solar panels. Both the HRSi and HRDi can accommodate up to 160W of solar pv input in addition to the Windcharger. See individual datasheets for more details.

**Cable** – For installations of less than 20m we recommend 2.5mm<sup>2</sup> cable, available from Marlec.

**Batteries** – Choose deep cycle or leisure batteries. Gel and A.G.M. ranges are available from Marlec.

For expert renewable energy advice and products, contact our sales office:

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