New Rutland 914*i* Windcharger

up to 30% more power !

Marlec are pleased to announce our latest innovation in micro wind turbines. The Rutland 914*i* Windcharger *intelligently* uses **Maximum Power Point Tracking** technology to perfectly match the generator operation to the turbine speed thus achieving a highly efficient power output.

This innovation has enabled the Rutland 914*i* to retain the compact diameter of the highly successful 913 model whilst being capable of capturing up to 30% more energy.

The comparison below demonstrates the increase in energy achieved on an expected annual energy output basis.

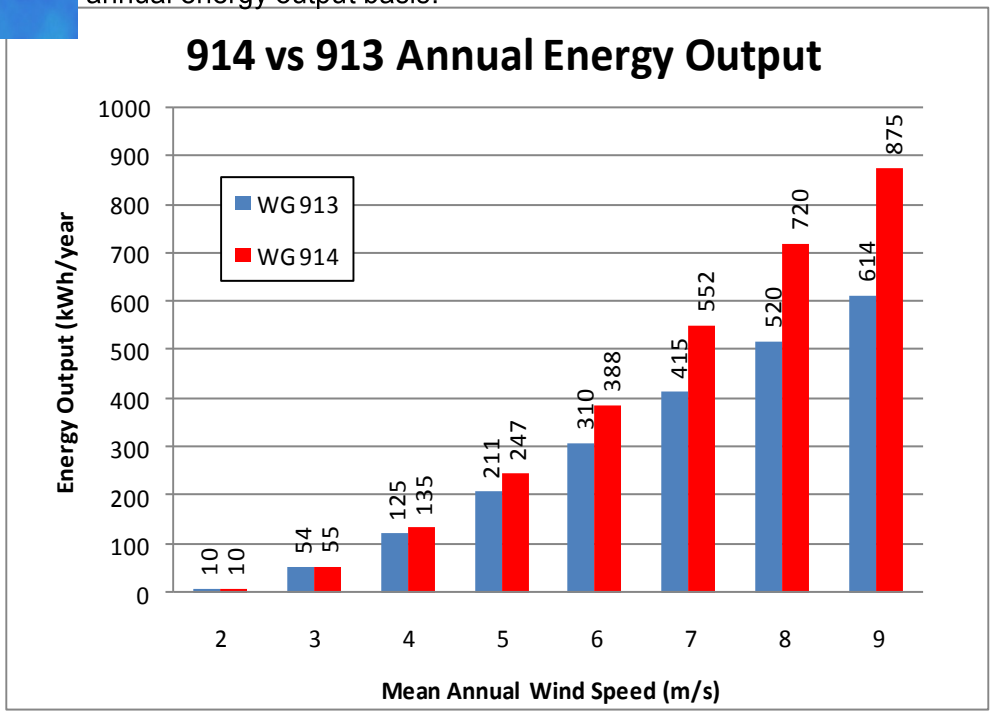
The *New* Rutland 914 *i*

- More ampere hours per day
- Latest technology MPPT
- Aerodynamically styled
- Quiet , smooth operation

.....plus everything you expect from a Rutland which is reliable, both in power generation and in tough marine environments.

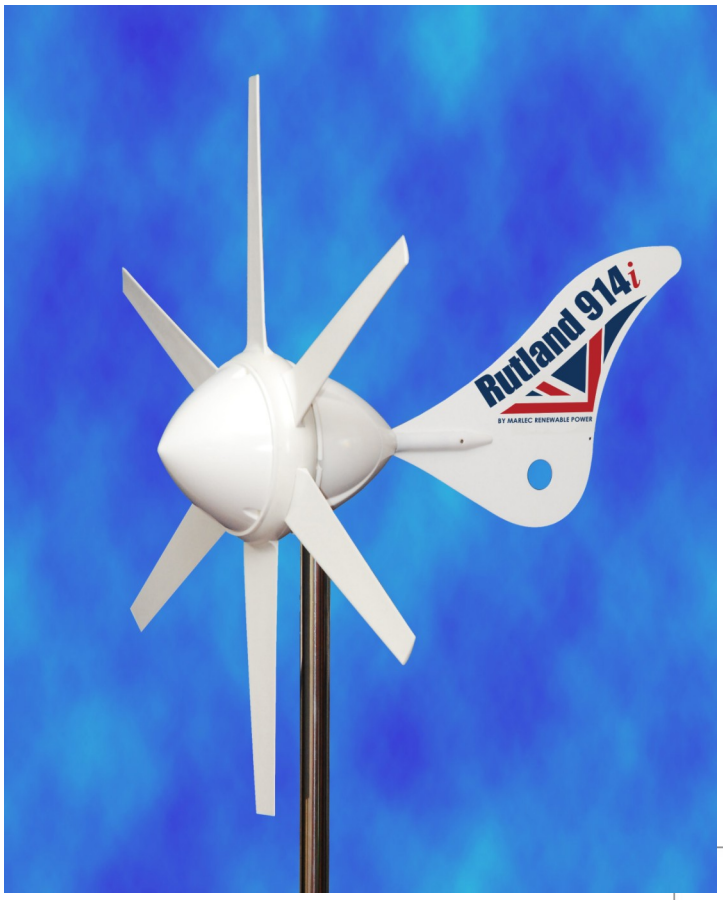
For 30 years Rutlands have been used on sailing yachts the world over giving peace of mind their owners.

With a Rutland mounted on board the modern sailor can enjoy the comforts of ample lighting, navigation equipment , essential communications and laptops with reduced engine running time .



…..more about the new Rutland 914 *i*…….

The increased power performance is yet another product improvement from the Marlec development team who have taken this compact 910mm diameter turbine from an original output of 50W @ 10m/s (19knots) to the new power rating* of 140W @ 11m/s.



How have we achieved this improvement ?

At Marlec we know that space on board your yacht is an absolute premium so our aim is always to get more power from less turbine!

We have achieved this power production increase through the use of modern electronic controllers programmed to intelligently match the characteristics of the generator to the constantly varying speed of the micro wind turbine.

Thus we can extract more power from the same "swept area" of blades for our customers whilst the increase in efficiency also brings less wear on the components too.

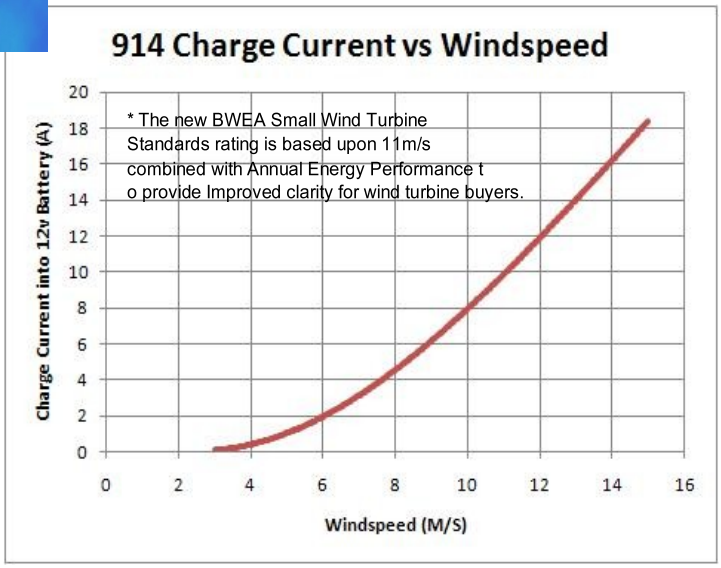
Is the Rutland Still as Quiet as Ever ?

Yes, we've been certain to ensure the 914 matches the reputation of our previous models for quietness especially on board.

Charge Regulators—Marlec's latest range of charge regulators; the HRSi & HRDi models have been designed with sufficient capacity to handle the power of the new Rutland 914i.

Mounting Poles—the 914*i* is suitable for use on boards yachts and on land. The same tube diameter, 41mm internal & 48mm external suits this turbine.

Availability—Rutland 914*i* will start full production in December 2010 with first sales to the public expected at the London Boat Show, January 2011.



Manufactured by Marlec in the UK

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MARLEC RENEWABLE POWER

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