



Marine | Solutions

The UK's Longest Standing Renewable Energy Company

Since 1978

First model being tested on a boat, UK, 1979.



1980

First Rutland Windcharger supplied for marine use



1988

Marlec exhibit at the first METS Trade show



1993

Introduction of marine grade semi flexible solar panel to sailing customers



1996

Launch of the hugely successful Rutland 913 Windcharger



2003

Marlec become UK distributor for Sunware Solar



2010

Launch of the Rutland 914i Windcharger



2016

Marlec introduce the powerful Rutland 1200 Windcharger



2024

Launch of Marlec's Spectra Bifacial solar ranges



2025

Launches the Vert X360, and the Rutland 505 Windcharger



Chris Tibbs, professional meteorologist, weather router, sailor and navigator.

marlec

Since 1978, Marlec has been driven by a passion for renewable energy.

Now, with those years of experience, we are the UK's longest-standing renewable energy business, renowned for manufacturing the acclaimed Rutland Windcharger range in our UK facility.

Our wind turbines have been trusted by over 120,000 customers worldwide, delivering proven performance on land and at sea. Get in touch with our team for expert marine energy solutions.

SB - 9100 | 21.08.25



The New 505
Windcharger
is here



Rutland 505

Built for life on the water and leisure on land, the Rutland 505 is our latest and most efficient small Windcharger yet. It's compact, easy to fit, and works even in light winds. Whether you're in a marina or cruising, it gives you the steady power you need to stay switched on.



Rutland 914i Windcharger

The Rutland 914i delivers impressive power, rivalling the output of larger turbines thanks to its built-in MPPT technology. This system continuously adjusts the turbine and generator to their optimum

performance, maximising charge into your battery. Our frictionless generator and flywheel hub design allows for exceptionally quiet operation, making it ideal for peaceful sailing.



Rutland 1200 Windcharger

This is our most powerful marine turbine. The Rutland 1200 gives you enough energy from the wind to charge two battery banks at once. Experience the powerful but quiet operation of the unique Tri-namic profile blades.



It's strong and built to last, ideal for long journeys or life aboard. It delivers up to 483W at 15m/s and is trusted by sailors all over the world.



Project Zero

In collaboration with our Australian distributor, Stella Marine, we provided our powerful Rutland marine wind turbines, generating free energy for the remarkable Project Zero expedition.

This expedition raised awareness about climate change by gathering scientific research along its journey from the South Pole to the North Pole.

Guided by the principle of sustainable exploration, the Project Zero expedition was dedicated to revitalising our waters, and their journey left behind a zero carbon footprint.



ENHANCE POWER

Choose Reliability

Over 40 years ago, we launched our first Rutland Windchargers to help sailors stay powered for longer without running their engine or visiting a marina.

Since then, our systems have been trusted by people who live and travel on the water, from weekend sailors to round-the-world adventurers.



Jessica Watson – True Spirit

At just 16, Jessica Watson sailed solo around the world, a remarkable journey later told in her inspiring Netflix film. On board was one of our Rutland Windchargers, providing

vital power through storms, calm seas, and long nights. Discover how courage, determination, and reliable energy helped make history.



Row to the North Pole

Jack Wishart and his team achieved an impressive feat by completing their challenging “Row to the North Pole” expedition. The combination of wind and solar power

highlights the versatility and reliability of Marlec’s solutions, showcasing their effectiveness even in the most extreme and remote environments.



Find out more



Rutland 1200

Quiet in operation and powerful in performance, the Rutland 1200 starts generating from just 2.5m/s and delivers up to 483W. Its Tri-namic blades, brushless alternator and marine-grade construction ensures durability at sea.



Rutland 914i

Built for cruising yachts, the 914i starts at 3m/s and produces up to 350W with MPPT for maximum efficiency. A smooth, quiet runner with a robust marine-grade body and 910mm blade diameter, ideal for all-weather reliability.



Rutland 505

The 505 brings 20% more power than the 504 in the same compact design, performing even in light winds. With its tough, UV-stable build with safety blade ring and supplied with the SMR1 MPPT Controller, it's ideal for small boats and space-limited decks.



Rutland 504

Lightweight and easy to fit, the 504 is ideal for trickle charging 60–120Ah batteries with a 3m/s start-up. Its solid marine-grade construction and 510mm diameter offer reliable power in a simple format.



Controllers and Accessories

Learn more about our dedicated controllers designed for maximum power generation and protecting your battery system. Many feature advanced MPPT technology for greater efficiency and include safety functions like electronic stall protection.



Rutland 1200
Hybrid Controller



Rutland 1200
Terrain Controller

Our Marine Mounting Kits include pre-drilled polished stainless steel tubes, a robust deck fixing bracket, joiner, and all necessary fittings. These high-quality components ensure a stable setup, even in demanding marine conditions.



SMR1



HRSi



HRDi



Remote Display



Marine Mounting Kit



Cables

Ready to power your journey with confidence?
Get in touch with our team for expert support
and reliable marine power solutions.



Find Out More



Talk to our team

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