

DuoGen

wind and water generator
your choice for cruising power

In most conditions, water generators produce more power on passage because the yacht's whole sail plan is capturing the available energy rather than the limited area of the wind generator's rotor.



The **DuoGen**'s dual mode practicality allows you to maximise power generation on your yacht - use wind mode in harbour and water mode as you sail. Deploy the **DuoGen** in water mode before you depart, then forget about it. The **DuoGen** runs all your on-board equipment while you enjoy sailing. The **DuoGen** starts charging at under 2 knots, produces a steady 8 amps at 6 knots, and over 11 amps at 7 knots. The **DuoGen** runs silently, following the movements of the yacht. Drag is low with boat speed losses typically less than 0.15 of a knot at 6 knots.

When you anchor or moor up, the **DuoGen**'s water mode is as easy to recover as it is to deploy.

Mode change is easy - simply lower the tower, remove the water impeller unit, and attach the air drive and rotor.

Raise and secure the tower, then the **DuoGen** is ready to go on charging your batteries directly from the wind.

It is quiet and non-threatening, and can safely be stopped by taking the handle at the bottom of the yaw tower and turning the rotor out of the wind.



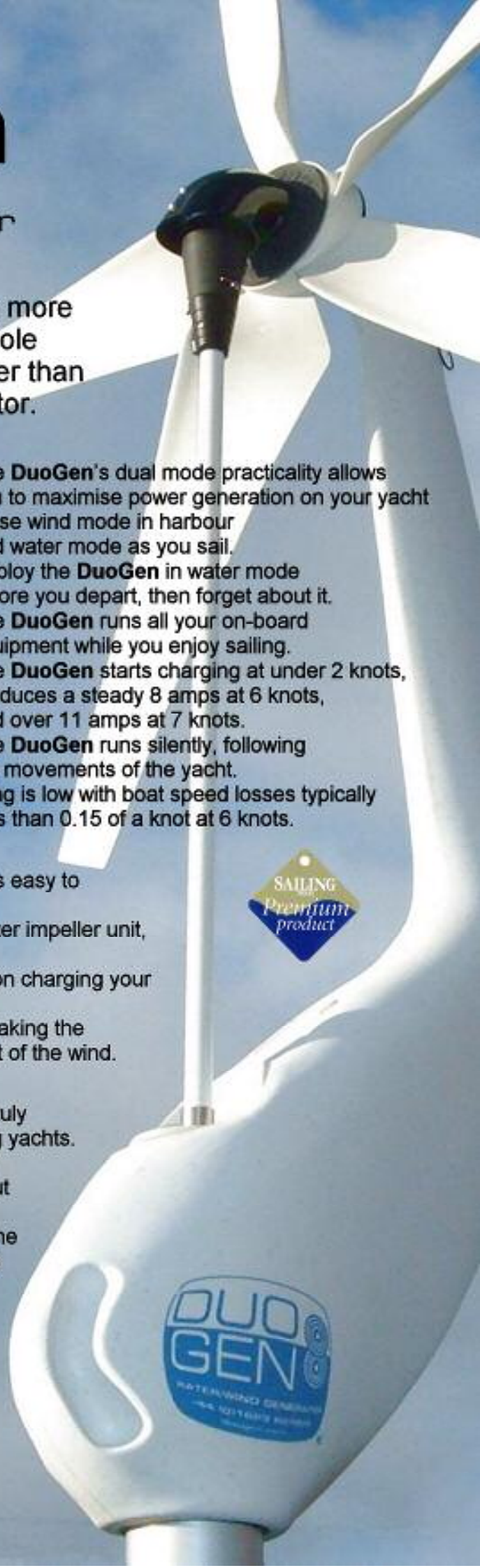
The **DuoGen** is purpose designed to provide a truly practical solution to generating power on cruising yachts. Most of the system's weight is at deck level, and mode change is accomplished in seconds without the use of tools.

Redundant system components, i.e. the air turbine in water mode and water turbine in air mode, are designed to disassemble or are very compact, so stowage is no problem whatsoever.



duogen.com

UK Patent No. GB2372783



Which size DuoGen is right for my yacht?

This depends on the size of your yacht and, critically, the freeboard at the stern. Generally:

The Short tower is suitable for yachts from 7 to 10 m

The Long tower suits yachts from 8 to 15 m

The Extra Long tower is for yachts over 15 m.

Consult our mounting schematics for more information.

Installation

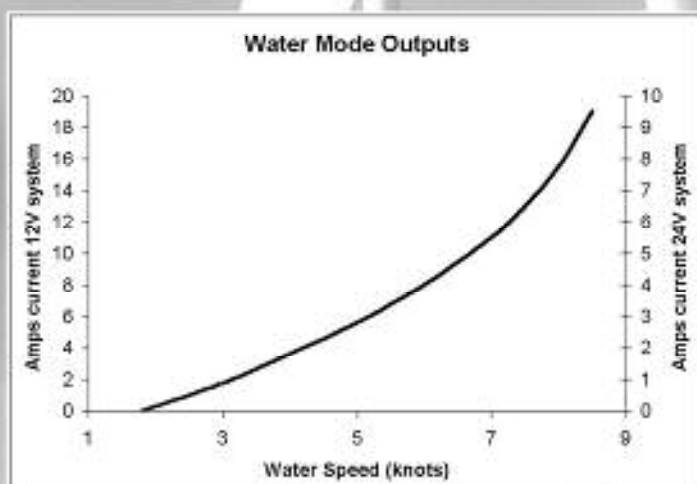
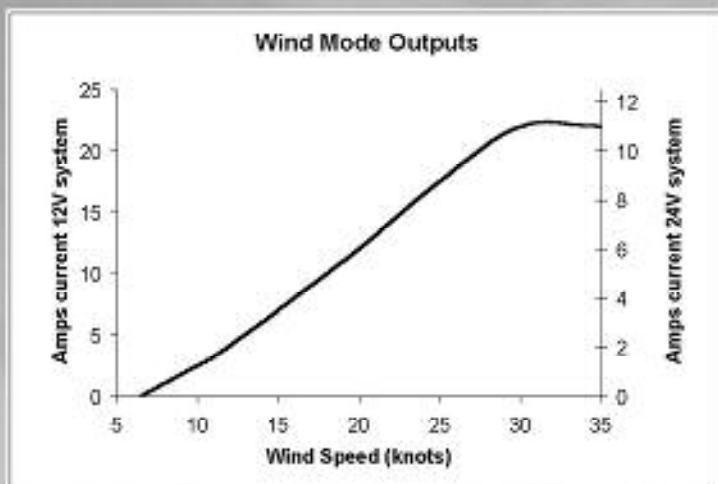
Together with our Universal Mounting Kit, installing the DuoGen is usually simple and straightforward.

The Universal Mounting Kit includes a polished stainless steel bracket which is fully adjustable and facilitates the DuoGen installation.

The mounting kit also includes a powder-coated yoke, a strut, and all the stainless steel fittings etc that you need to achieve a sturdy installation.

The DuoGen has been successfully installed on many types of yacht, including multihulls.

Send us a photograph of your yacht's stern together with her freeboard measurement, and we will be happy to advise you on mounting options.



Regulation

To prevent overcharging, we recommend that a regulator is installed between DuoGen and the batteries. We supply a 'dump' type regulator which is mounted close to the batteries.

The regulator incorporates a charge splitter for charging two independent battery banks simultaneously, and will also accept the input from solar panels.



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DuoGen
is available in
12 volt and
24 volt

