



Fischer Panda UK's 100-VS, one of the models in the new range of VS Series variable speed hybrid DC generators

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Fischer Panda UK Introduces New VS Series Generators for Hybrid Cruising

Range of variable speed hybrid DC generators offers efficient, environmentally-friendly technology for battery charging and electric propulsion

Fischer Panda UK is introducing a range of variable speed hybrid DC generators for electric propulsion. Meeting demands for more efficient and smarter hybrid systems to support the move to electric power, the new VS Series strengthens Fischer Panda's portfolio of technologically-advanced, green propulsion solutions.

The VS Series gensets advance green motion technology in electric propulsion by enabling the generator speed to be regulated in accordance with the required power. Reducing noise and fuel consumption, the engine RPM of the variable speed hybrid DC generator can be adjusted to meet the propeller power demand.

Available in various output voltages up to a current of 300 A and an output power of up to 100 KW, the VS Series enables either silent electric cruising powered from the battery bank alone or hybrid cruising using the batteries and the variable speed DC generator as a range extender. In emergency mode, the variable speed hybrid DC generator can power the drive system directly. Silent on-board power with battery only for domestic appliances can be supplied indirectly using an inverter, or boat owners can opt for hybrid on-board power using the battery and generator during periods of high-power demand.

A new control system, called the FP Control, which allows various set-ups as well as the connection to a CAN BUS system, monitors the VS Series. It provides information on the generator, as well as the connected drive system and batteries, to update data on overall power being drawn, power supplied for battery charging and the electric drive system. When using batteries only, the battery-charging status, as well as the remaining drive time, are also displayed. An autostart function prevents the batteries from being drained and a digital display shows up-to-date information.

The VS Series gensets are compact in size and low in weight for easy installation and are all supplied with the Fischer Panda super silent sound insulation capsule. Suitable for all electric boats, the range includes the 20-VS, 35-VS, 50-VS, 75-VS and 100-VS models.

Chris Fower, Sales and Marketing Director, Fischer Panda UK, said: “We are focused on helping our customers with the most efficient hybrid systems as boat owners look for green propulsion solutions. Fischer Panda is already renowned for its variable-speed diesel generators for on-board power, so the launch of the VS Series for battery-charging represents the next step forward for electric boat owners.

“Conventional engines are mechanically connected to the propeller so that the engine RPM and propeller RPM is fixed, resulting in reduced engine life, increased noise and inefficient fuel consumption. The new variable speed

hybrid DC generators can adjust to fluctuating power use, which is more efficient and cost effective, and more environmentally-friendly due to the lower fuel consumption.”

For more information about Fischer Panda UK’s range of products, visit www.fischerpanda.co.uk.

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Note for editors:

See Information Sheet in 'Related Material' for further details.

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About Fischer Panda UK

Fischer Panda UK Ltd offers full-system design capability, servicing and aftercare as a leading distributor of diesel generators and a major supplier of the latest technology in air-conditioning systems, hybrid electric propulsion systems, integrated mobile power solutions and watermakers for a variety of commercial and leisure vessels.

Renowned worldwide as innovative, reliable and extremely quiet, the extensive Fischer Panda range of compact diesel generators includes its next generation highly efficient and powerful variable speed iSeries-Generators. Fischer Panda generators from the Panda 4000s Neo up to the next generation iSeries Panda 45i genset have passed type approval by members of the IACS (International Association of Classification Societies) board.

Other world-class products from Fischer Panda UK include desalination systems from Sea Recovery, HRO, and Village Marine, with models suitable for day-boats to warships and offshore platforms, plus air-conditioning systems from leading marine HVAC supplier Dometic, CZone digital switching and Mastervolt power solutions.

Fischer Panda UK is ISO UKAS 9000/1 accredited and operates from a purpose built 9,000 sq. ft facility in Verwood, Dorset. Its experienced engineers, sales and operational staff work with OEMs to develop integrated systems for custom vessels and offer specialist technical support and on-going aftercare to its customers.

Also active in the military and automotive sectors, the company works with UK MOD and other armies around the world providing solutions for specialist vehicle and land-based applications. Two thirds of Formula 1 mobile truck units install Fischer Panda generators, as do the BBC, Sky and many other mobile broadcasting vehicles.

Operating since 1977, Fischer Panda GmbH is headquartered in Paderborn, Germany. The Fischer Panda team covers more than 500 technicians and partners in over 90 countries worldwide.