

Vehicle Power Solutions

By Fischer Panda



FischerPanda

Pioneers In Innovation, Service, And Quality

Fischer Panda – your source for leading generators, energy solutions and seamlessly integrated energy management.

With top-tier generators, electric propulsion units, and advanced energy consulting, we deliver tailor-made solutions that exceed the highest standards of quality, performance, and energy efficiency. Benefit from nearly fifty years of industry expertise by choosing Fischer Panda. Fischer Panda has been the preferred choice for customers looking for outstanding innovation, service, and quality.

Our unwavering commitment to quality is reflected in the use of top-tier materials and stringent quality control procedures. Enjoy unparalleled customer service through our extensive global network of dealers and service partners. Committed to sustainability, we offer environmentally friendly solutions that surpass the highest emission standards. Collaborate with our experts for customized solutions, making Fischer Panda the preferred choice for those seeking the pinnacle of innovation, service, and quality.



A Comprehensive Portfolio for Every Vision

Eco-Conscious Solutions For Lasting Experiences



Our vehicle generators and systems are designed to meet environmental requirements while providing superior performance. With almost fifty years of experience in developing generator and power systems for vehicles, we offer solutions that are quiet, efficient and reliable.

Connective Products For Smart Energy Management



Our connectivity-enabled generators and systems are based on common operating principles with leading manufacturers and facilitate energy utilization. For maximum convenience – just like at home – and full control of your energy flow.

Tailored Products & Services For Your Refit



With our range of generators and power systems, we have the ideal solution for your refit project. Our experts work closely with you from design to implementation for maximum energy efficiency and performance. The result is a bespoke concept that is in tune with your needs, down to the last detail.

Peak Performance For Your New Builds



We provide tailored consultation and solutions for your energy management - with powerful generators, modern propulsion units, and advanced control systems. For highest performance and efficiency without compromising, our experts ensure that your vehicle meets the latest standards.

AC Generators

Panda AC generators feature a very effective cooling system, ensuring temperatures inside the sound insulation capsule remain within an acceptable range even in tropical conditions.

iSeries Generators with variable speed for reduced fuel consumption, quiet operation and less exhaust emissions. These have an external inverter that adjusts the engine speed to match the load. This can significantly reduce fuel consumption. When compared to asynchronous generators of the same class, these generators are up to 50 % lighter and allow up to 30 % space savings. iSeries generators of different sizes can be connected in parallel.

Compact power **xSeries** asynchronous generators are suited for applications requiring continuous power and high starting capabilities with a very stable voltage supply. The compact power generators operate at a regulated speed of 3000 rpm (50 Hz) or 3600 rpm (60 Hz).

AC generators are available in a wide range of voltages:
50 Hz ~ 230 V / 400 V and 60 Hz ~ 120 V / 240 V / 230 V



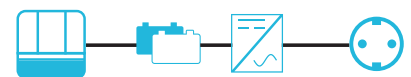
DC Battery Charging Generators

Powerful **AGT-DC** generators ensure battery-banks are kept charged and allow larger consumers to operate for short periods during the day if an inverter is being used.

Fischer Panda AGT-DC generators provide a powerful battery charging solution. These allow for extended trips; ensuring the battery bank is kept fully charged.

When used in combination with a combi-inverter, recreational AC consumers can be supplied via the recreational battery bank for short periods (depending on capacity). The generator operates to keep the battery bank charged. Most load profiles can be supported by running the generator 2-3 times a day for 30 minute periods.

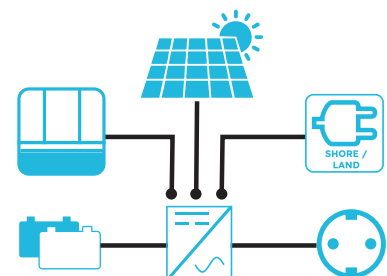
AGT-DC generators are available with 12 V / 24 V / 48 V
(other voltages on request)



Onboard Power Systems

The generator plays an important role within an energy system as it is usually the largest supplier of power. It is not usually required to operate continuously around the clock. When demand is low, electricity can also be obtained from other energy sources such as solar, wind, a land power connection or battery bank. A combined energy system ensures that the generator is not used at low loads and helps to reduce fuel consumption.

Battery chargers and inverters are essential components of any power supply system. Modern inverters serve as the central control unit within the energy network, intelligently managing which energy sources are best suited to power consumers and how quickly those sources can be recharged. Modern "combi-inverters" integrate both inverter and charger functions into a single unit. They provide advanced power management capabilities - allowing seamless combination of energy from generator, battery bank and grid connections when required.



Versions for Internal Installation

Panda PVMV-N Generators

Vehicle generators with sound insulation capsule, integrated water-cooled vertically mounted pre-silencer and main silencer.

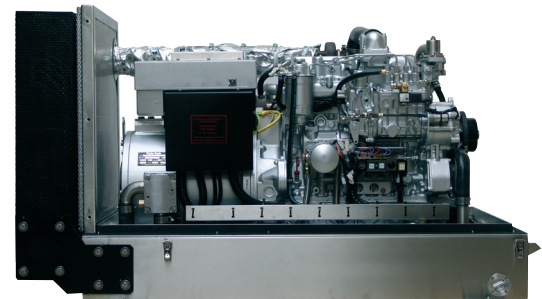
- Best choice when space is available inside vehicle
- Easy to install
- Requires external radiator
- Suitable for internal installation
- Complete water-cooled silencer inside capsule
- Glass-reinforced fiber capsule as standard for models up to 12 kW
- Stainless steel capsule for models from 15 kW and above
- Easy to install



Panda PVM-NE Generators

The PVM-NE is the standard version for generators above 30 kW. The PVM-NE is similar to the PVMV-N, however the silencer is not water-cooled and is externally mounted on the capsule. The generator version must be installed in a well-ventilated area because heat is absorbed by the silencer. An additional silencer is not necessary. The generator is housed within a sound insulation capsule.

- Suitable for installation in a well-ventilated area
- Requires external radiator
- Easy to install



Versions for External Installation

Vehicle generators with internal water-cooled silencer for mounting externally on the vehicle chassis. These generators are ideal for installing on trucks with limited space between axles or underneath large trailers for dedicated power applications. The heavy-duty housing is also suitable for expedition vehicles.

- Designed for external mounting
- Wide access hatch for easier access
- Water-cooled exhaust silencer inside capsule
- No additional exhaust silencer required

Panda PVK-U Generators

- Requires external radiator
- Assembly bolts pre-fitted to housing
- Metal capsule with a heavy-duty cover

Panda PVK-UK Generators

- Integrated radiator and cooling system
- Assembly bolts pre-fitted to housing
- Metal capsule with a heavy-duty cover

Panda RV Generators

- Integrated radiator and cooling system
- Lightweight housing for recreational vehicles





Self Contained Generators

Panda Self-Contained generators are designed as fully integrated units. Key components - generator, cooling system, electrical cabinet, and fuel tank are combined in a single, compact enclosure. This all-in-one design simplifies installation, reduces space requirements and makes maintenance easier.

Panda PSC Generators

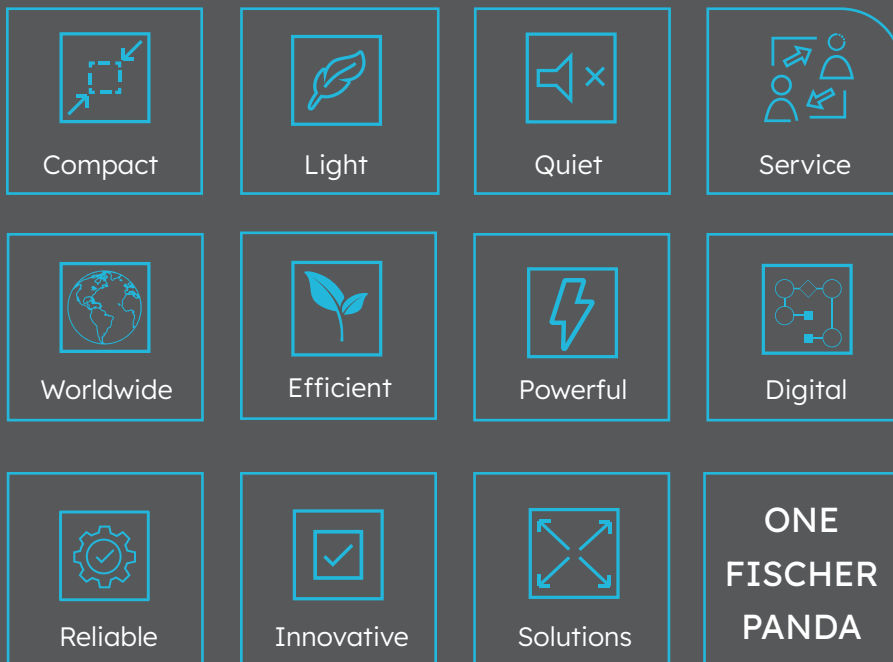
- Electrical cabinet with sockets
- Suitable for external mounting
- Sound insulation capsule
- Water-cooled exhaust silencer
- No additional exhaust silencer required
- Integrated radiator and cooling system
- Available with integrated fuel tank or connected to external fuel system



Custom Solutions

Fischer Panda also provides extensive customization options and services to adapt generators for special equipment and commercial applications. These include mounting slides for easy generator access, additional mounting and lifting components, electro-magnetic hydraulic couplings for operating mechanical-hydraulic pumps, and radiator mounting (vertical or horizontal). Further options include integrated fuel tank, combined radiator and cooling systems, custom sound insulation capsule, as well as tailored electrical cabinets and socket arrangements to meet installation and application requirements.





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