

# 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.**

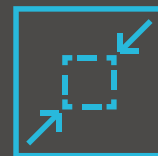
With top-tier generators and advanced energy consulting, we deliver tailor-made solutions that exceed the highest standards of quality, performance, and energy efficiency. Benefit from nearly fifty years of industry expertise by choosing Fischer Panda. Fischer Panda has been the preferred choice for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

Our unwavering commitment to quality is reflected in the use of first-class 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.



## Compact. Light. Quiet.

Water-cooled diesel generators from Fischer Panda are renowned worldwide for being efficient, reliable and extremely quiet. Compact, light and quiet are our design requirements - resulting in low operating sound levels and vibrations.



Compact

## Eco-Conscious Solutions

Fischer Panda designs generators to meet environmental requirements while providing superior performance. Fischer Panda generators are ready for use with all EN15940 paraffinic fuels without modifications or extra maintenance. Variable speed control considerably reduces exhaust emissions and fuel consumption in comparison with a traditional generator.



Light

## Tailored Products & Services

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



Quiet

## 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 have been designed for reduced fuel consumption, quiet operation and less exhaust emissions. They 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



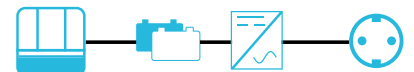
## DC Battery Charging Generators

Powerful **AGT-DC Generators** ensure battery banks are 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 powerful battery charging solutions. They allow for extended trips ensuring the battery bank is 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 periods of 30 minutes each.

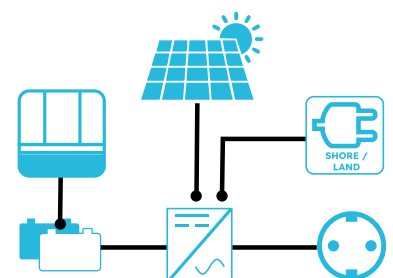
AGT-DC generators are available with 12 V / 24 V / 48 V (other voltages on request).



## 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, a land power connection or a 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. Modern “combi-inverters” integrate the functions of inverter and charger into a single unit. They provide advanced power management capabilities allowing seamless combination of energy from generator, battery bank and grid connection when required.



## Versions For Internal Installation

### Panda PVMV-N Generators

**PVMV-N Generators** feature a sound insulation capsule and integrated water-cooled, vertically mounted pre-silencer and main silencer.

- Best choice when space is available inside vehicle
- Easy to install
- Require 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



### Panda PVM-NE Generators

**PVM-NE Generators** are the standard version for generators above 30 kW. The PVM-NE generator 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 required. The generator is housed within a sound insulation capsule.

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



## Versions For External Installation

### Generators with internal water-cooled silencer for mounting externally on the vehicle chassis

These generators are ideal for installation under a truck's or large trailer's chassis. The heavy-duty housing is also suitable for expedition vehicles.

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

### Panda PVK-U Generators

- Require 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. All the 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

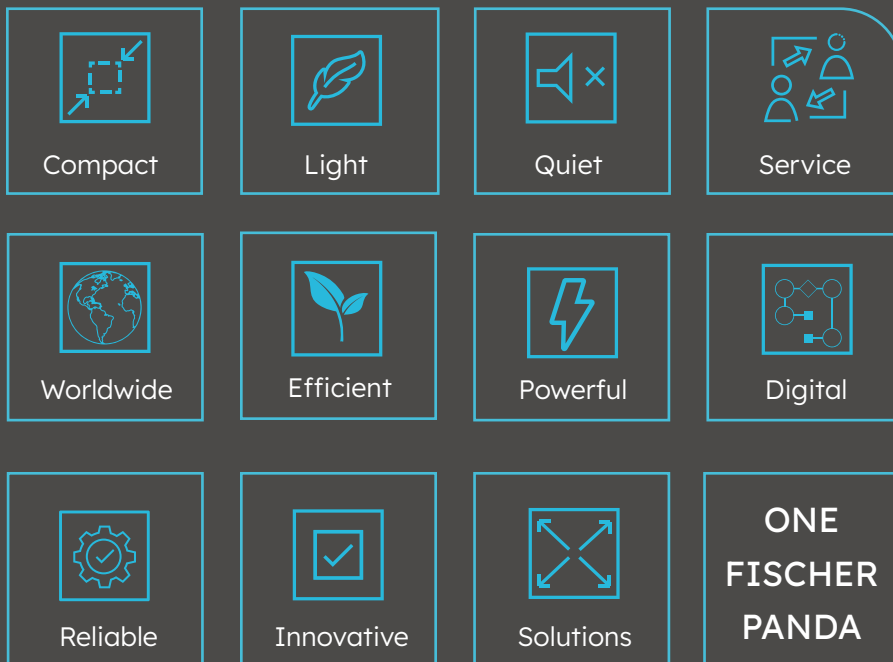
- Electrical cabinet with sockets
- Suitable for external mounting
- Sound insulation capsule
- Water-cooled exhaust silencer
- No additional exhaust silencer required
- Integrated radiator and cooling system
- Available with integrated fuel tank or with connections to external fuel system, if required



## 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.





**Fischer Panda GmbH**  
 Otto-Hahn-Str. 40  
 33104 Paderborn, Germany

Tel.: +49 5254 9202-0  
 info@fischerpanda.de  
 www.fischerpanda.de



Exclusive UK Distributor:  
**Fischer Panda UK | Power Solutions**  
 17 Blackmoor Road, Ebblake Industrial Estate  
 BH31 6AX, Verwood  
 +44 1202 820 840 | info@fischerpanda.co.uk  
 www.fischerpanda.co.uk

Disclaimer: The information contained here is to the best of our knowledge accurate at the date of publication. Please note that the data in this publication reflects the technical state at time of print. Due to our policy of continual product development, we reserve the right to alter technical specifications without notice.