

WhisperPower

High class Electrical Power Systems and Components



- Back-up power
- Off grid & island systems
- Grid connected applications
- Self consumption and storage



Imagine yourself living in a house with your own energy provision

You can switch on the lights at any time and use all your 230V or 120V appliances, without any limitations. While watching television you control your climate system on a distance. All made possible by WhisperPower independent power systems. From low power occasional consumption to heavy duty non-stop requirements, WhisperPower has the right turn key solution. Cost effective, reliable, silent and efficient. Take for example our 7kW Grid Independent Solar/ Diesel power system, replacing the public grid entirely, utilizing the maximum free energy from the sun. Enjoy reading this catalogue.

WhisperPower • Products & Systems Catalogue

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400W - 3KW • Low power DC & AC systems

Rural electrification (components) - Off-grid Power

The most effective use of solar energy is connecting a PV module to an energy storage device, a battery. This system enables the user to take power from the battery and use energy during the night when the sun is not shining. WhisperPower's essential products in those systems:

- High class solar modules and solar charge regulators
- Heavy duty, long life maintenance free batteries (AGM or GEL)
- Sine wave inverters for immediate connection to the battery and a plug and play socket on the front.
- Sine wave inverter/ battery charger combinations that can be linked to an auxiliary generator or to the grid. This system can be used as a UPS (Uninterruptible Power Supply).

These systems are ideal to supply AC power to:

- Charge adapters for recharge gear like telephones
- Computers and PC's
- Television sets
- Tools and house hold equipment.

Those systems replace AC generators, saving fuel and preventing audible noise.



WP-Sine 12/1000



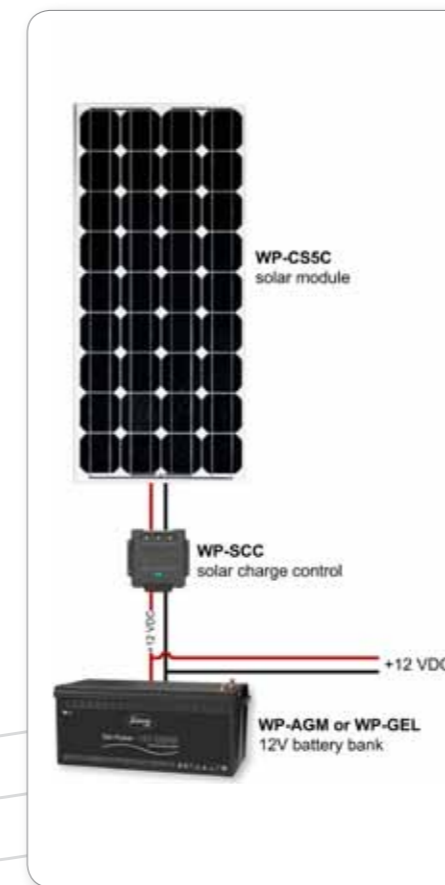
WP-Combi



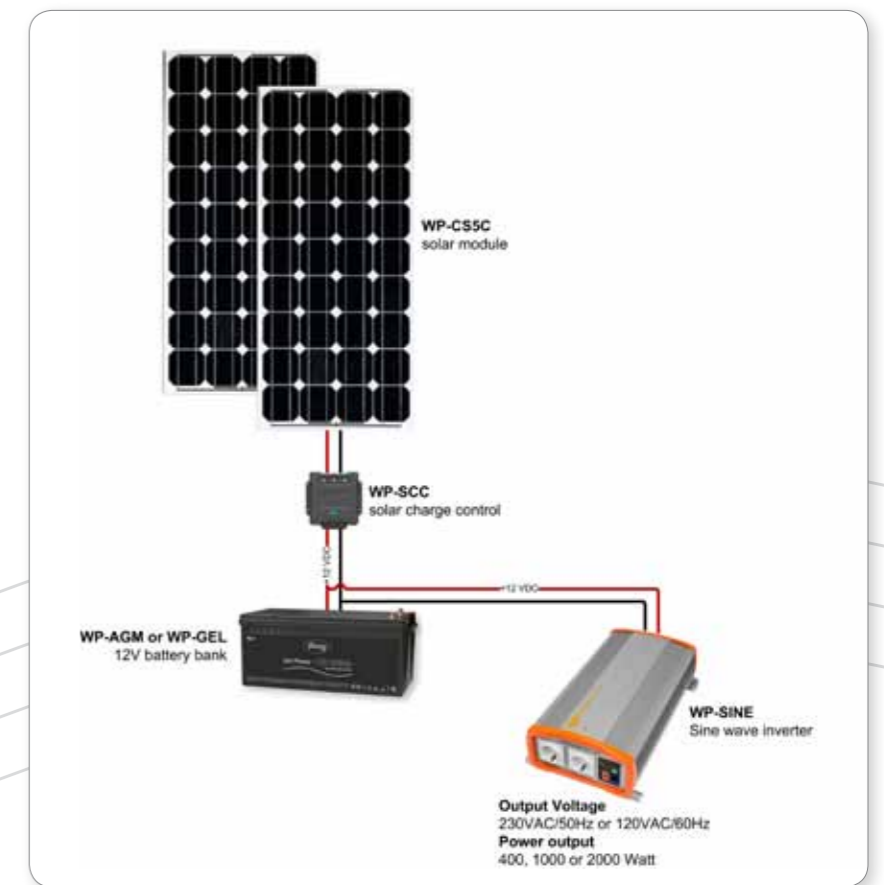
AGM 260Ah



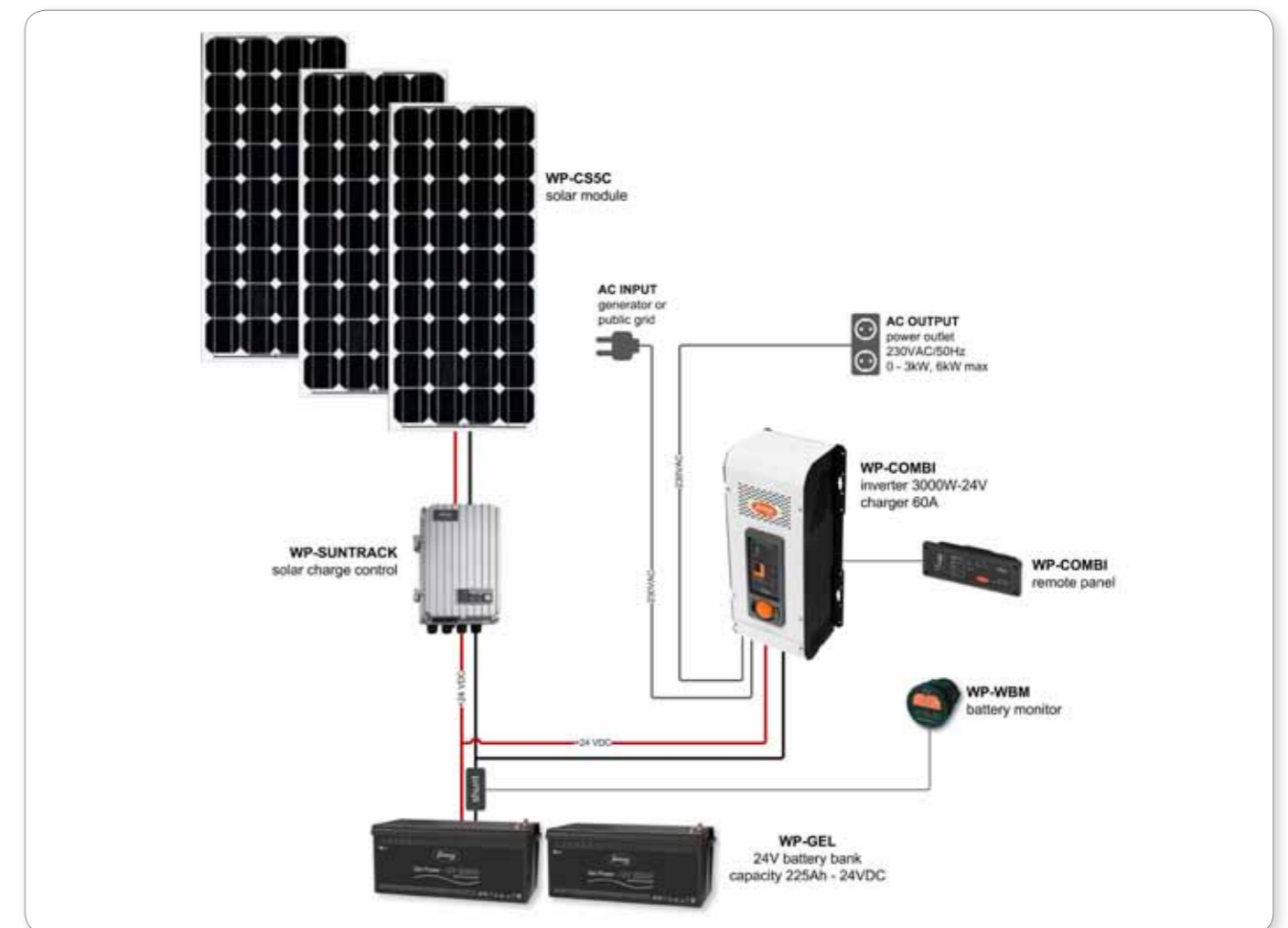
WP-Battery Monitor



WP Solar System S1 12VDC



WP Solar System S2 DC & AC System, 12V - 230VAC/50Hz

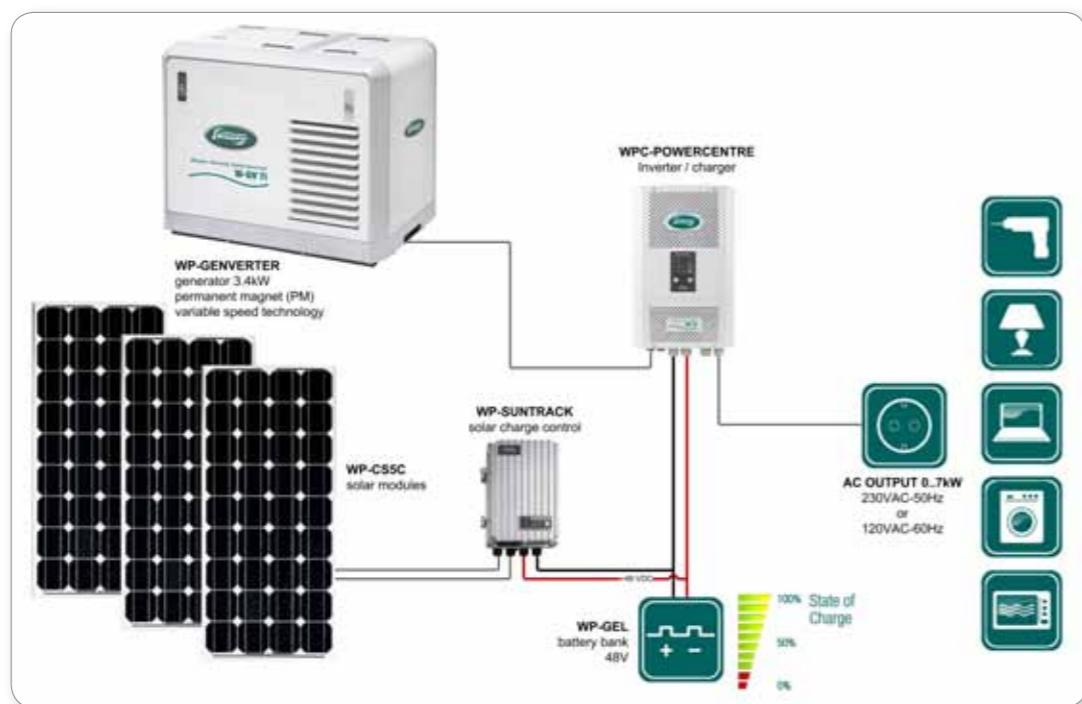


WP Solar System S3 DC & AC System, 24VDC - 230VAC/50Hz - 0.3kW

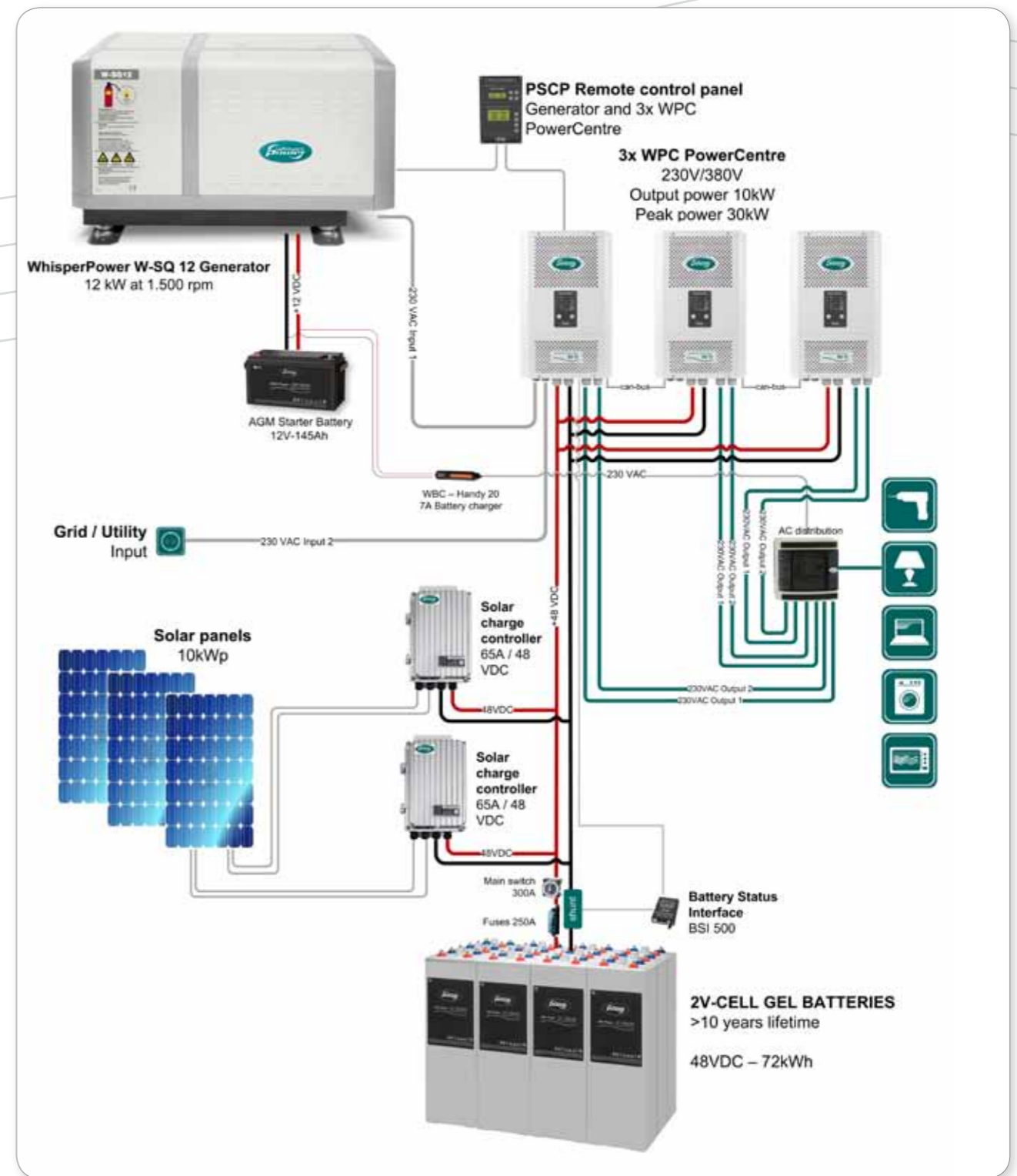


3kW - 20kW • Grid Independent Rural electrification (Solar/Diesel Systems) - Off-grid

Solar Modules offer a perfect way to produce 'free of charge' clean electrical power. Sometimes power consumption exceeds the radiation intensity of the sun, causing batteries to remain uncharged which will result in damage and forced replacement. The Grid Independent system of WhisperPower is the ideal solution to ensure the supply of DC and AC power. Batteries will be topped up entirely and high power consumption periods will be backed up by the build-in diesel generator. The system is equipped with a modern MPPT tracker up to 80Amp power. Ask for our Grid Independent brochure to learn more about this practical all-in-one solution.



WP Grid Independent Solar System S4 - DC & AC System 24VDC - 230VAC/50Hz - 0.7kW



High Power Solar Diesel Power System S4



Example of use: measurement system with laser plotter for wind spectrum analysis. Using WhisperPower Genverter system, remote monitoring & control integrated.

WhisperPower Back-up Power (Hybrid Power)

In case solar modules cannot be used, WhisperPower is offering a smart solution. Transportable objects like small containers, trailers and shelters do not have the space to fit solar modules, in general. To install non-stop running generators is not a very attractive alternative from an economical and environmental point of view. Our Genverter DC PowerCube concept is THE solution for power requirements up to 10-30kWh per day.

The system consist of:

- A super silent 2 or 3 cylinder diesel engine (Kubota or Mitsubishi), water cooled.
 - A water cooled permanent magnet alternator of 4 or 8kW
 - A high class industrial DC PowerCube 3-stage charger of 4.2kW power rating
 - Or even 2 Dc PowerCube's of 8.6kW in total, operating with our 3 cylinder Genverter.
 - Heavy duty Gel or Lithium ION batteries
 - We make systems for various ambient circumstances, from -40°C to +55°C, eventually pre-installed in containers or trailers
 - Remote monitoring web-based or GSM mode
- The output voltage of these systems can be either 24, 48VDC, 120V/60Hz or 230V /50Hz AC.



Genverter 2 or 3 cyl



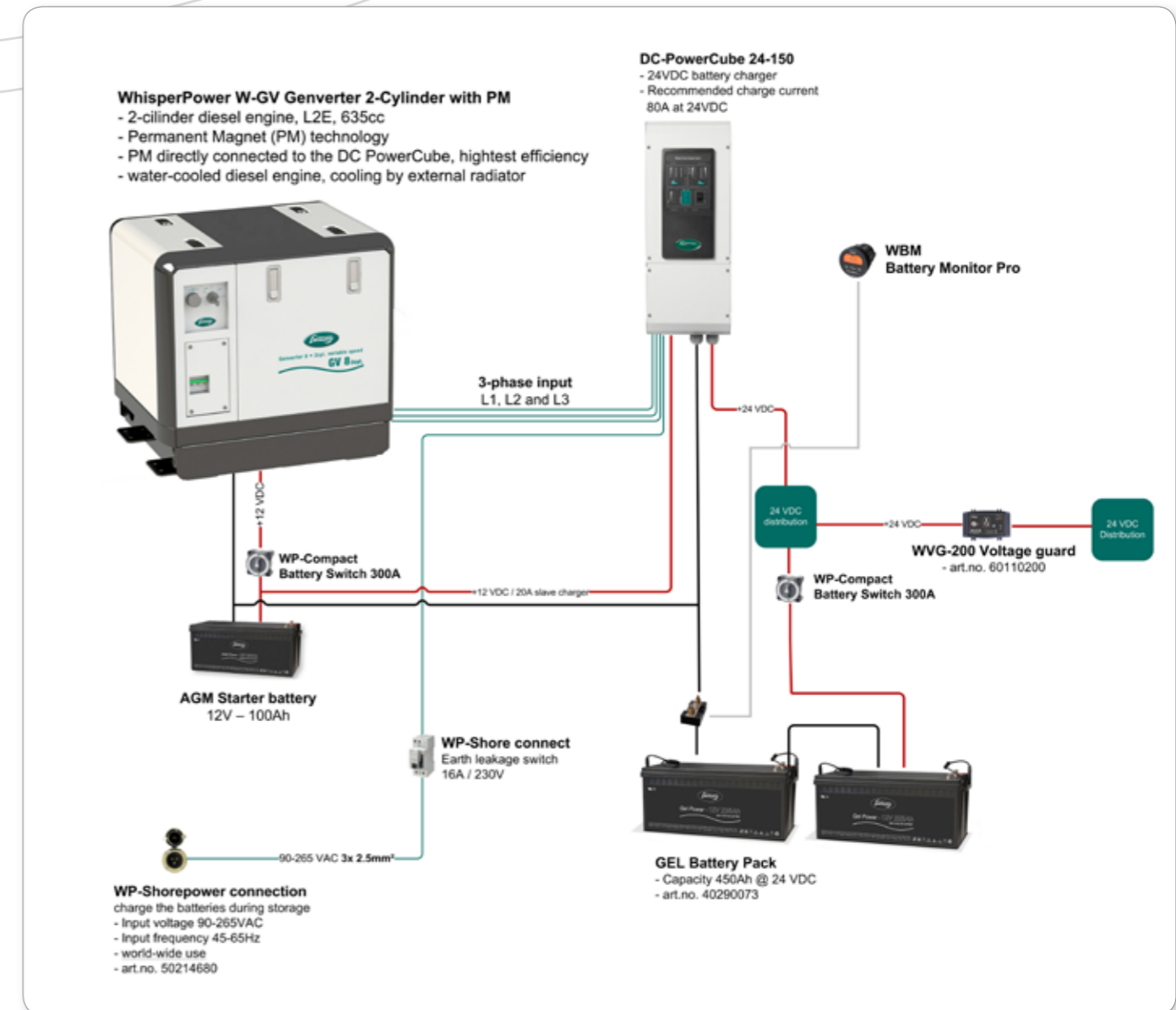
DC PowerCube 4.3 kW



PM - Permanent Magnet technology applied



WP Lithium Ion Li Fe Po



WP Back-up Power System S5 - 24VDC (or 48VDC) System

From now on I produce my **own power** (with or without mains)

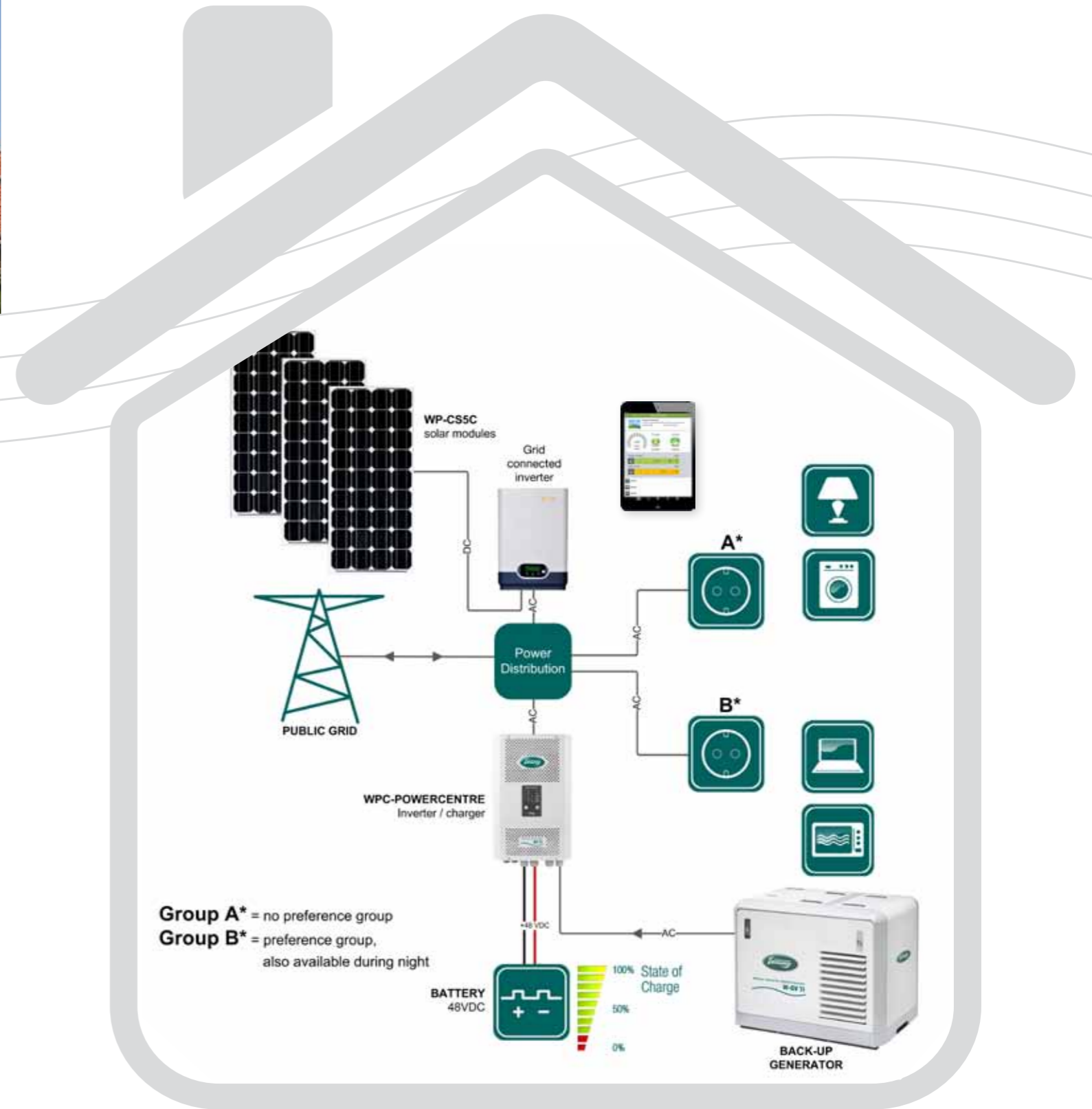


Grid Connected/ Off-grid / Self Consumption

In countries with a high penetration degree of grid connected solar systems (systems with solar modules connected via a DC to AC inverter to the public grid) the so called SELF CONSUMPTION ad-on system is becoming popular. Why?

In general, the amount of solar power produced does not match the amount of electricity used in the household. In particular, power consumption will exceed the self produced energy amount in the morning and at night, and also during the winter months. By shifting household consumption into the high phase of solar power production, it is possible to increase the consumption of self-generated electricity, which is CHEAPER than the energy supplied by the utility companies.

The use of battery storage systems, which store excess energy and provide energy on demand required, can increase the CONSUMPTION LEVEL OF SELF PRODUCED ENERGY up to 70%. The WhisperPower Grid Independer storage system carries STORAGE and provide BACK-UP power AND storage AND back up power during periods of power outages. The Grid Independer is the way to absolute independency and freedom. See diagram at page 11.



WP Grid Independer Solar System S6 -Grid Connected System with Back-up Generator



WhisperPower The Company

History

WhisperPower BV was founded in May 2007 after acquiring the assets of the former Mastervolt Generator Systems division, located in Drachten, the Netherlands. This former Mastervolt division was founded in 1998 with the aim of designing and manufacturing diesel engine based power systems. Principle shareholder of the WhisperPower Group of companies is the management company of Mastervolt founder, Roel J ter Heide. Shanghai WhisperPower China was added to the group late 2011. WhisperPower is active in over 40 countries. Main business fields are off-grid power markets which includes rural electrification, diesel dating back-up systems and various marine and mobile markets.

Technology

WhisperPower is an established brand with world wide distribution and service. WhisperPower has years of experience in the field of combined generator/electronic systems with extensive knowledge of markets and applications. Our core competences cover the whole spectrum, needed to develop 'hybrid' style power systems. We integrate, if desired, relevant home designed components into one functional system. The Grid Independenter concept is a clear example of this ability.



Look also on our website for more information about
WhisperPower: www.whisperpower.com

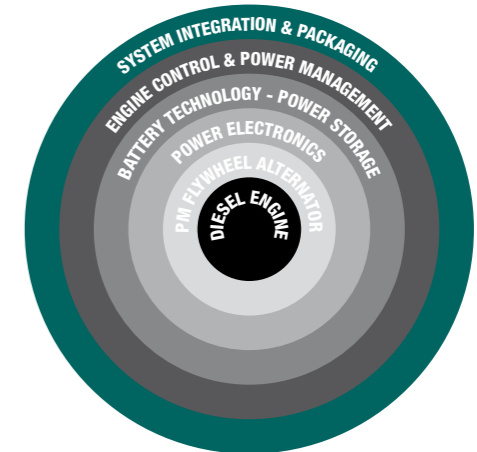
Manufacturing

Most of the manufacturing process is carried out in-house in our 5500 m² building, located in Drachten, Friesland, the Netherlands. The building is a showcase for the very latest thinking in terms of energy-friendly sustainability and includes facilities such as solar cells and climate control based on an eco-energy recovery system. We save as much energy as possible in all our daily operations, using thermal storage for residual heat or power.

Company values

- Respecting people and the environment
- Contributing to a better world with sustainable and energy-saving products
- Developing high-quality products at a fair price
- The client is king and we exceed expectations
- Innovation is an ongoing process and part of the DNA of our company

Core Competence:
Hybrid Technology



Delivered anywhere, at any time

WhisperPower Service & Support

WhisperPower's service and support goes way beyond production and sales. We remain responsible for our products, systems and accessories, providing all necessary service and support before, during and after your purchase. This ranges from system recommendations and installation to first class service for maintenance and repairs.



Bespoke system advice

Our engineers and advisors have a wealth of experience in the development and realisation of electrical power systems and are always available to help you plan your own. This includes installing a genset or generator and more complex systems. Our designers will ensure the ideal set-up and a system with optimal efficiency, even when combining your generator system with fuel cells or solar or wind generator power.

Global sales & distribution network

The growing network of WhisperPower dealers and distributors covers the world. Our international brand is locally represented by

companies including bodywork manufacturers, shipyards, electrical and mechanical contractors and sector specific companies. Their trained specialists and professionals are available for servicing mobile, marine or domestic applications.

Commissioning and system set-up

Whenever possible, WhisperPower's technical team will take care of commissioning of your power system as soon as it is delivered. In several countries this service is included in our product offering. This ensures that your system is installed in accordance with the right guidelines and conditions. Contact us for more information about the terms and conditions.

Our starting point: On-site service

The representatives in our network will provide you with service and technical support in case

of repairs or malfunctions. Where possible they will help you on site, wherever you may be in the world.

24/7 Hotline for Service & Support

Our technical service is available in case of malfunctions or repairs. Contact us directly 24/7 from anywhere in the world via the international WhisperPower Hotline Service & Support line on +31 512 571 555. We will provide support ourselves where possible, or put you in contact with our local representative.

Periodical training: Up-to-date expertise

Expertise is the foundation for the best service. Every WhisperPower representative has up-to-date knowledge and the benefit of our global experience. Via periodical training courses we ensure our specialists have the latest information on installations and applications as well as our product range. As a result you are guaranteed that WhisperPower offers more than product and packaging: We offer you our expertise as standard.

Minimal downtime during repairs

If necessary, WhisperPower will carry out repairs or maintenance of our products at another location, in a regional workshop or at our head office. In most cases you will be provided with a replacement solution to ensure that your system downtime is kept to a minimum.

Up-to-date product specifications

Detailed specifications of the WhisperPower products are available on our website and in brochures and manuals. As we are continuously improving our products, specifications are subject to change without notice.



Long-term peace of mind

The WhisperPower WarrantyPlan

When purchasing our products and systems, you always have the certainty of a dedicated WhisperPower WarrantyPlan. This plan covers as standard the costs of repairs and/or replacement of defective parts when products are used in 'normal' circumstances. The conditions for the WhisperPower WarrantyPlan are specific to the product and the use thereof in your system. The standard warranty term for equipment is two years. With an authorised system installations maintenance contract, the warranty term is extended to five years.

The warranty term for generator systems is based on a maximum number of operating hours. For 3000/3600 rpm sets the maximum is 1000 operating hours, for 1500/1800 rpm sets and our Genverter 71 and 50/100/200/kW models the limit has been set at 2000 operating hours. Extra costs for installation, travel and transport are not included, unless agreed otherwise.

More information about the exact conditions of the WhisperPower WarrantyPlan is available on our website.

Order: sales@whisperpower.com

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