



- ▼ Underfloor Hybrid Power System – over 80 systems in use now by the NHS (National Health Service) in the UK.



Clean, Silent and Reliable Electrical Power Systems



The route to a cleaner world

Climate change is one of the most urgent matters in the world. Since the start of WhisperPower in 2010, the mission has been crystal clear; every plan, every initiative and every action that we execute has to support the route to a cleaner world.

That's the key background of the development of our Lithium Battery based OCTOPOWER systems, the ultimate plug-and-play solution at hand. In this brochure we summarize the systems we offer to the market, in power ranging from 3 kVA – 40 kVA. High-quality grid-independent systems as single brand solutions.

Off-grid, full comfort

When installing WhisperPower's OctoPower system, no electricity from the public grid is needed to recharge the batteries. The solar panels integrated in the system provide a basic charge (12, 24 or 48 VDC). If this incoming power is not sufficient, the super-silent WhisperPower diesel generator kicks in, which charges the batteries almost inaudibly and very fast up to 100% recharge. Connectable to the vehicle's existing diesel tank, or equipped with its own fuel tank. The WhisperPower generators operate on all types of fuel incl. HVO (Hydrotreated Vegetable Oil). To safeguard an optimal running clean system.

WhisperCare monitoring and control

With WhisperConnect all components of the OctoPower system are connected to each other enabling real time information obtained about the energy management on the central WhisperTouch readout panel or on a cellphone or tablet. With the WhisperCare 2.0 cloud portal, the entire system can be remotely monitored at a very detailed level (real time, historical), utilizing the on-board wi-fi router. Accessible by user, vehicle manufacturer, service organization.

Key Components of our OctoPower systems

- Battery storage, Lithium or Lead Acid
- Solar Power, flush mounted or consoles
- Sine Wave Inverter(s), from 3-24 kW
- Fast Battery Charging, any amperage
- Low- Emission Power Generation (diesel/HVO)
- Advanced Monitoring and Control App
- Extended Technical Documentation
- Guaranteed Fast Service & Warranty on a Global Base

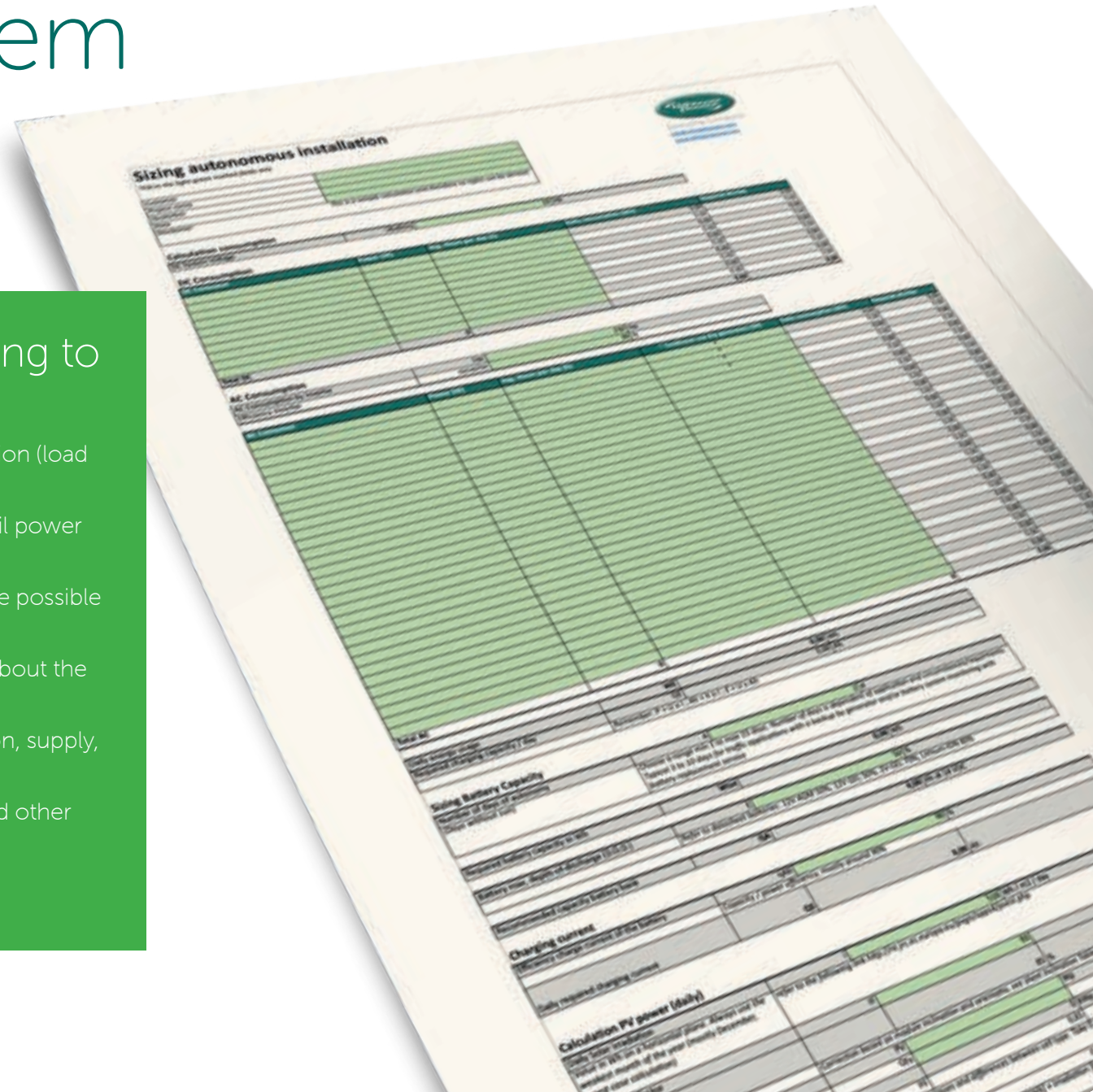


How to choose the right OctoPower system

Our system advisors investigate together with the customer how different mixtures of energy resources can be used to provide off-grid electricity with the most favorable carbon footprint. They analyze the conversion efficiency and carbon dioxide (CO₂) emissions for the different OctoPower configurations.

These are the steps leading to the best solution:

1. Determine the electrical power consumption (load balance)
2. Determine overall efficiency and non-fossil power generation component
3. Create a single line diagram to map out the possible configuration
4. Final communication with the customer about the system
5. Quotation, go/no go, in-factory preparation, supply, commissioning
6. Supply of multi line system schematics and other technical documentation if needed
7. On site warranty arrangements





OctoPower systems reduce CO₂ emissions up to 80%



OctoPower helps to stop wasting energy



OctoPower is an effective way for vehicle owners to save costs



OctoPower stops using the diesel generator unnecessarily



OctoPower can always be monitored remotely. Advanced Fleet Power

Generator replacement system from 4 - 14 kVA

- Lithium Power Plus Storage Pack 5.5 – 21 kWh
- Inverter for silent time, AC PowerCube 4-14 kVA
- Fast chargers, connect to shore power or WhisperPower Generator
- Global input 90-265 VAC, 50-60 Hz
- Compact and super silent generator 4-40KVA
- Solar input with MPP trackers
- Connection to any multi functional display
- WhisperCare full service remote monitoring
- Pre-fabricated AC and DC distribution

OctoPower

1 kW

3 kW

6 kW

7 kW

14 kW

18 kW

25 kW

Concept explained



Back-up Generator of Prime Power



(Temporary) Grid



Supreme Pro Chargers



Solar Power

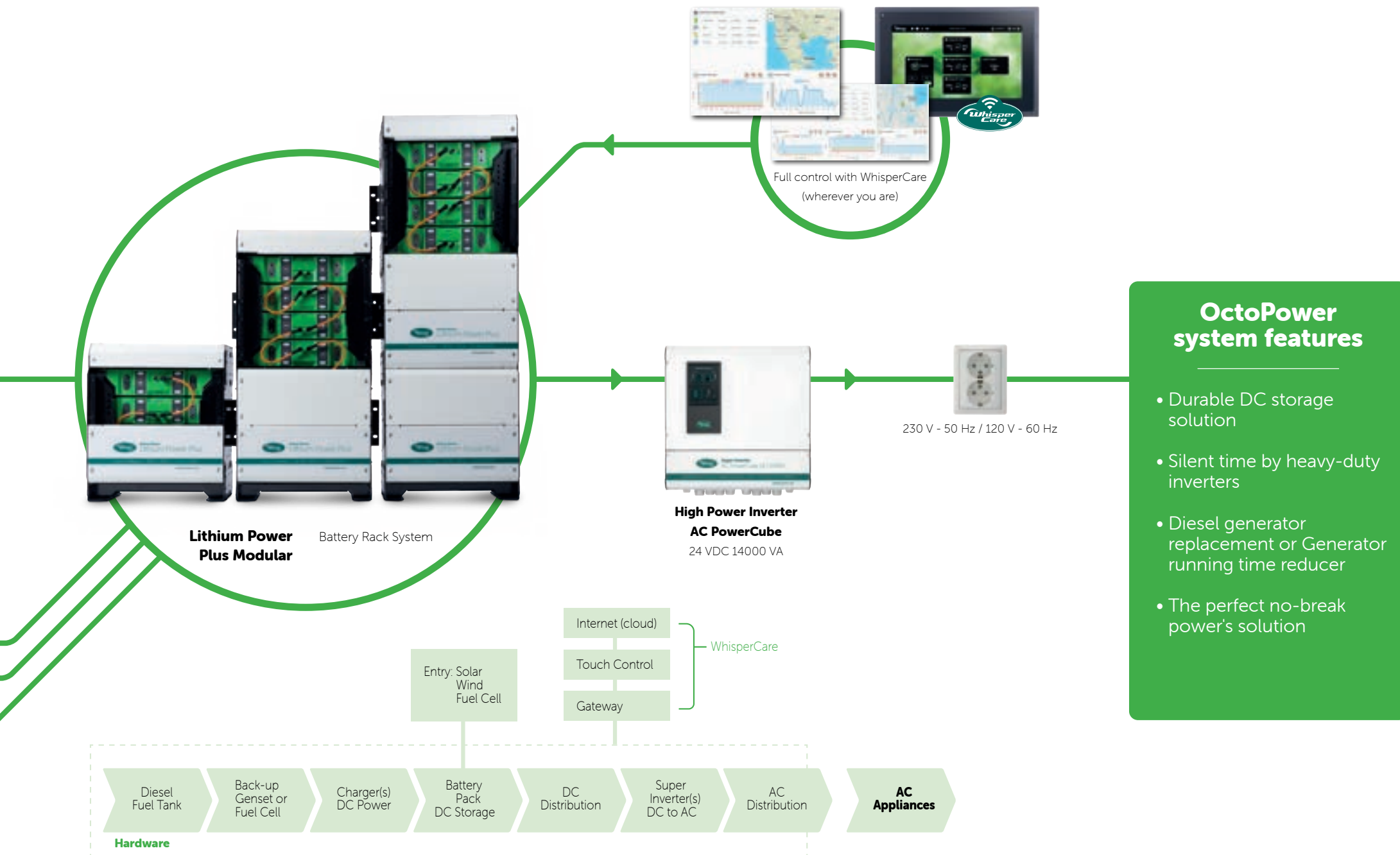


Hydrogen Fuelcell Stack



Wind Power





OctoPower 64⁺

ZERO-EMISSION FILM SUPPORT

Three phase power solution, 24/48 VDC battery voltage

- 40 kVA generator power (Stage V)
- 24 kVA inverter power

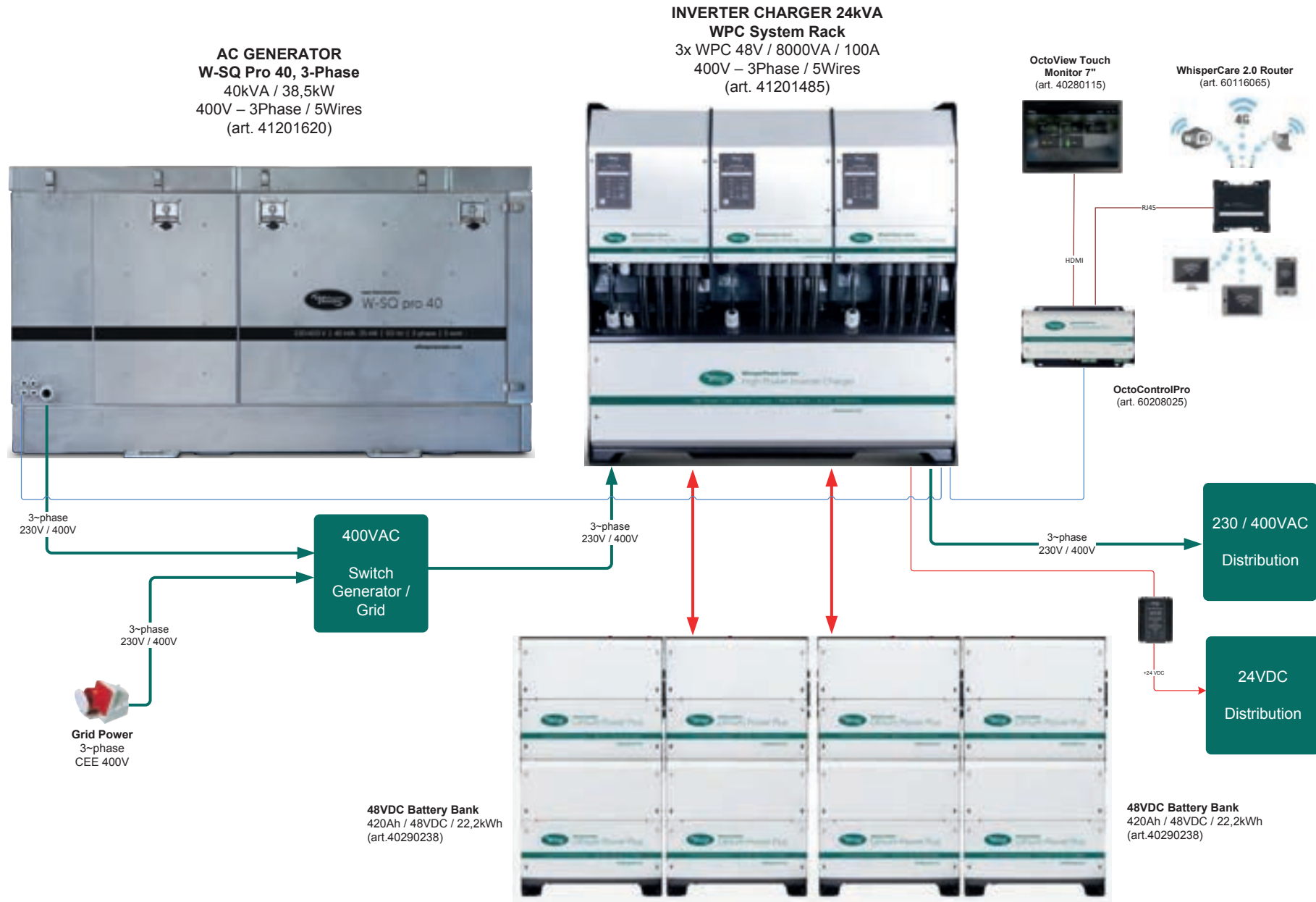


W-SQ Pro 40

230/400 VAC - 40 kVA - 35 kW
3 phase - 5 wire



System example



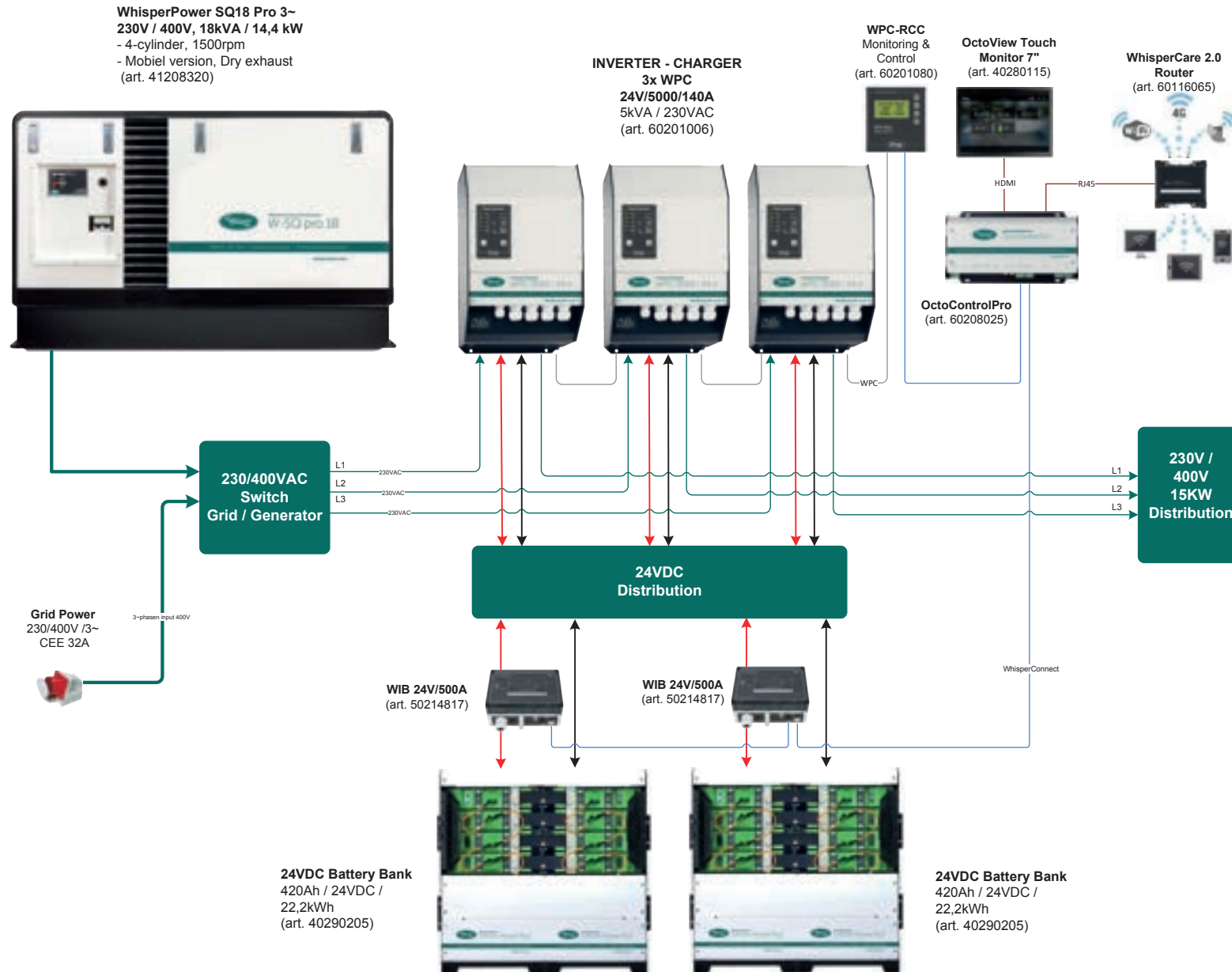
OctoPower 18⁺

OFF-GRID AUXILIARY POWER CONTAINER

Three phase power solution, 48 VDC battery voltage



Off-Grid System example



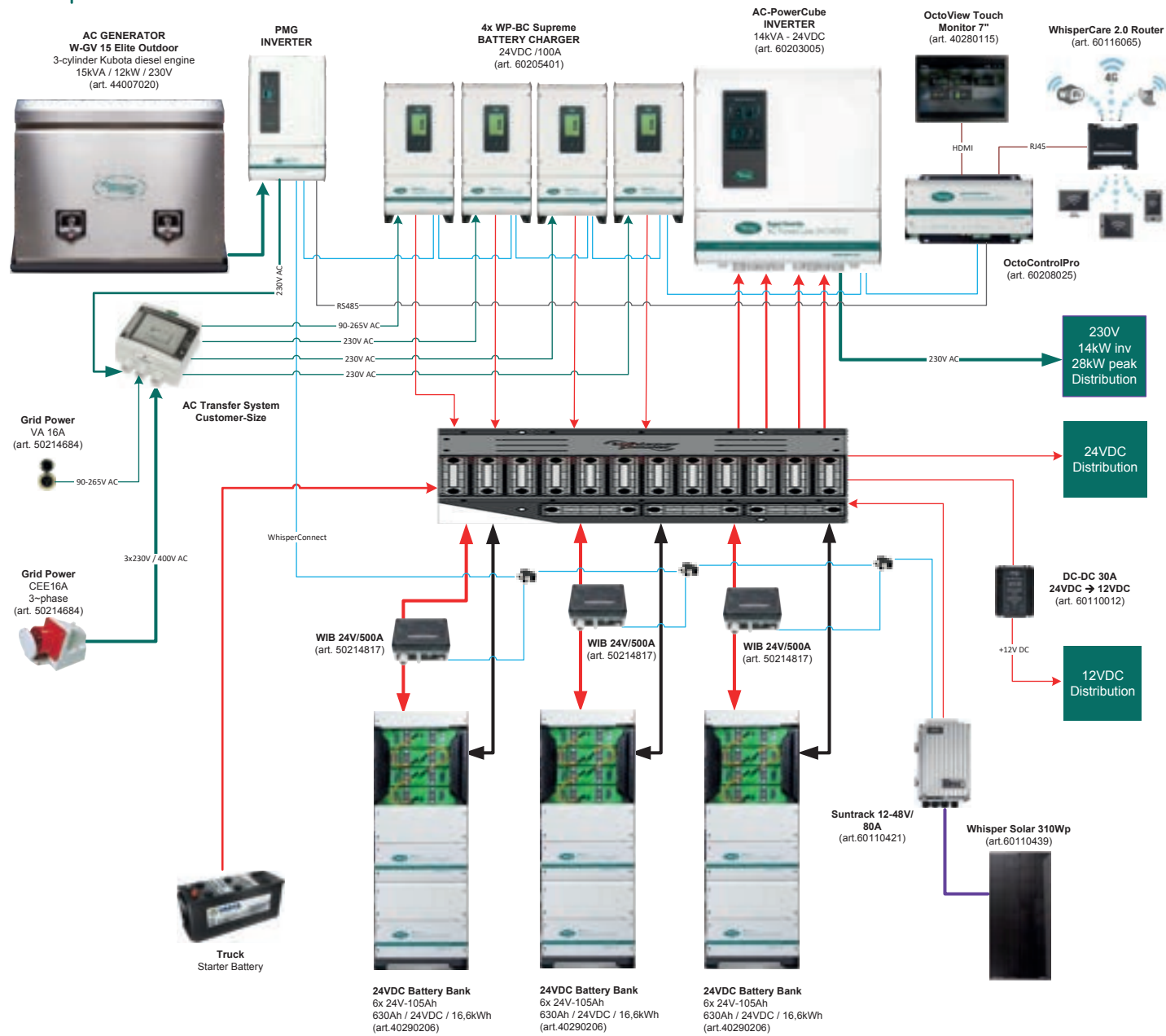
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ZERO EMISSION SYSTEM FOR ROAD TRUCK

Single phase power solution, 24 VDC battery voltage



System example



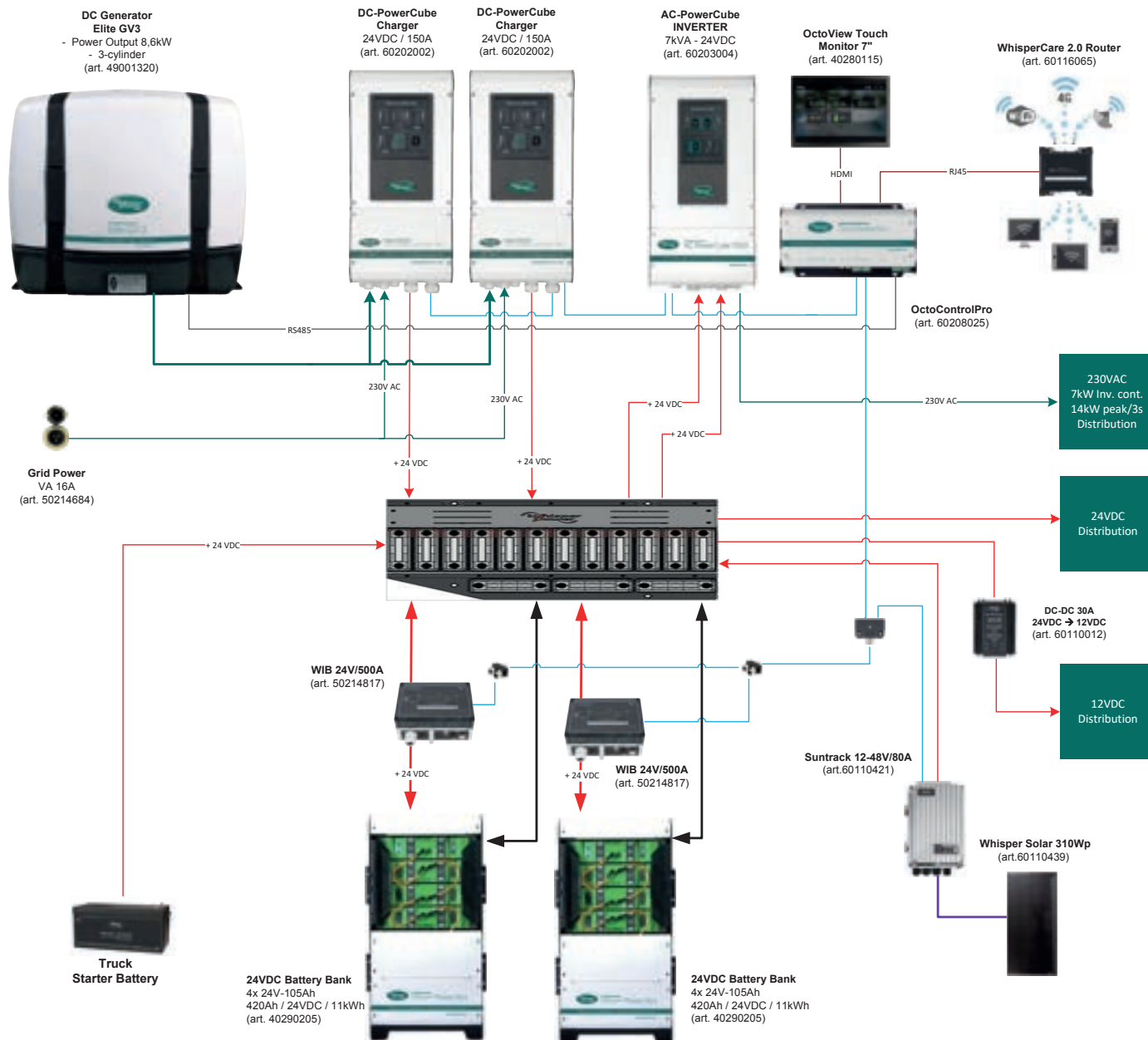
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HYBRID POWER SYSTEM FOR MEDICAL TRAILER

Single phase power solution, 24 VDC battery voltage



System example



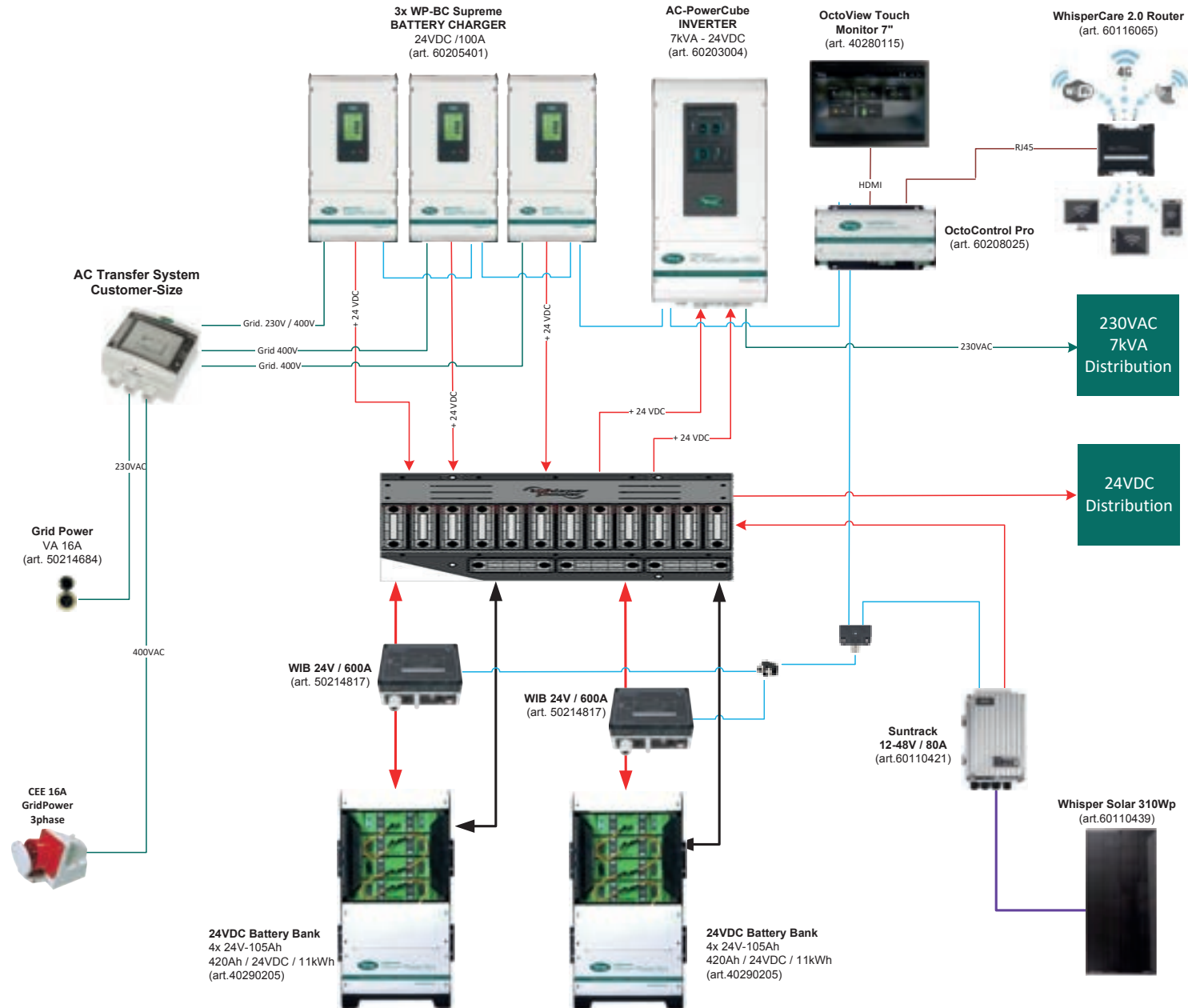
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ZERO EMISSION POWER SYSTEM FOR SEWAGE REPAIR VEHICLE

Single phase AC power solution, 24 VDC battery voltage



System example



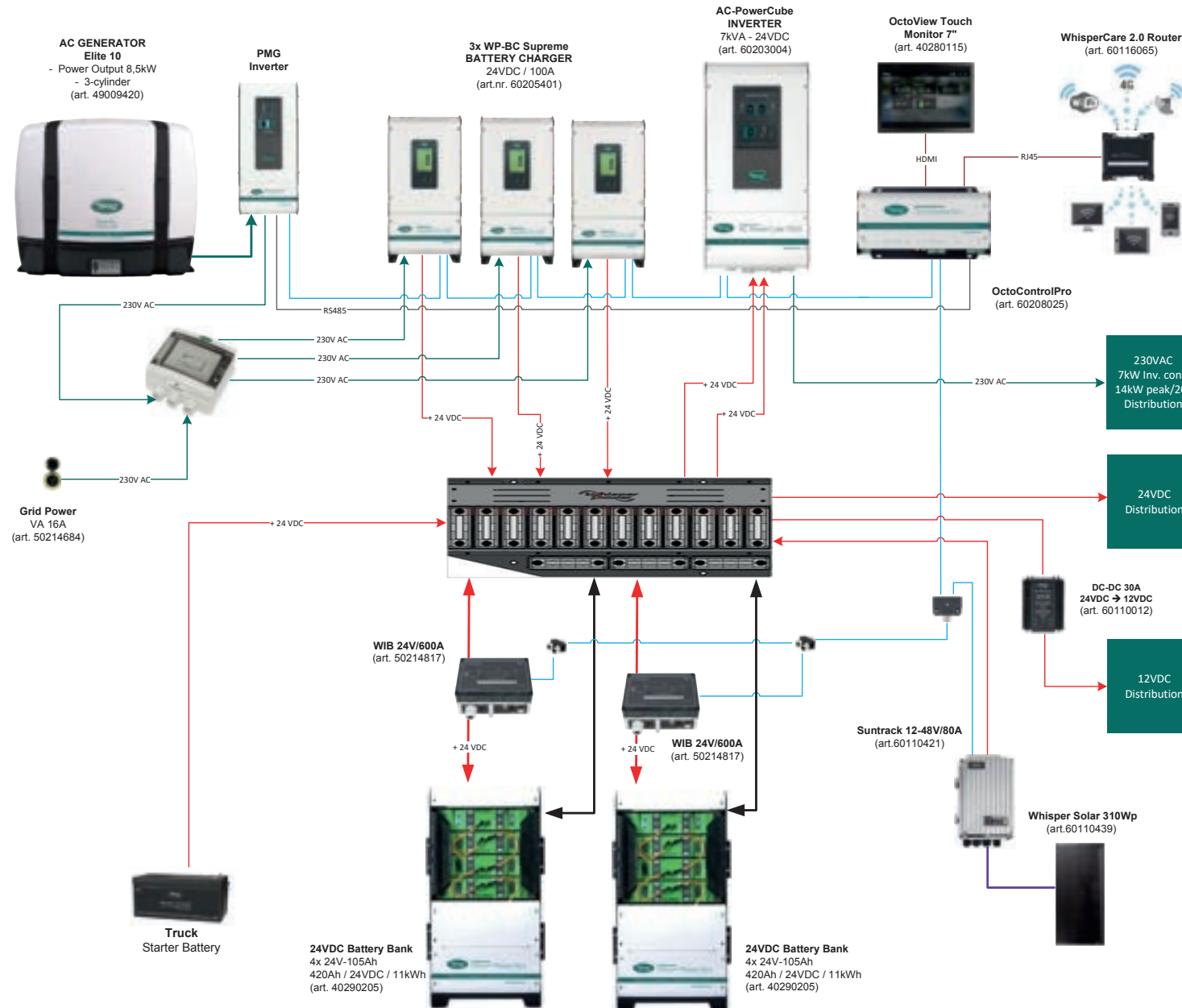
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INDEPENDENT POWER FOR OFF- ROAD SOD TRUCK

Single phase AC power solution, 24 VDC battery voltage



System example



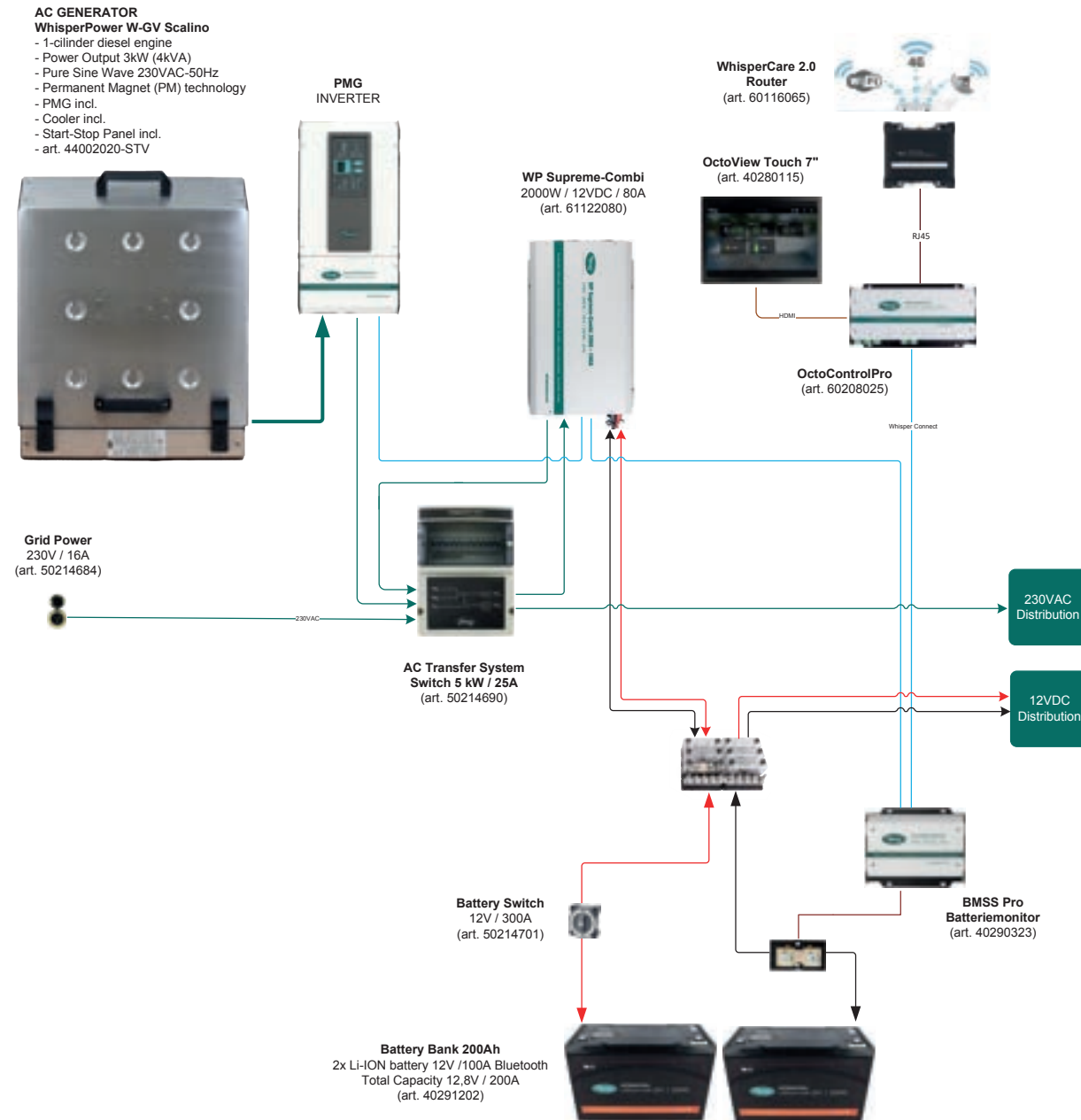
OctoPower 3

SMART POWER SYSTEM FOR RV/ MOTORHOME/CAMPER

Single Phase, 230 VAC, 12 VDC



OctoPower 3 - Modular



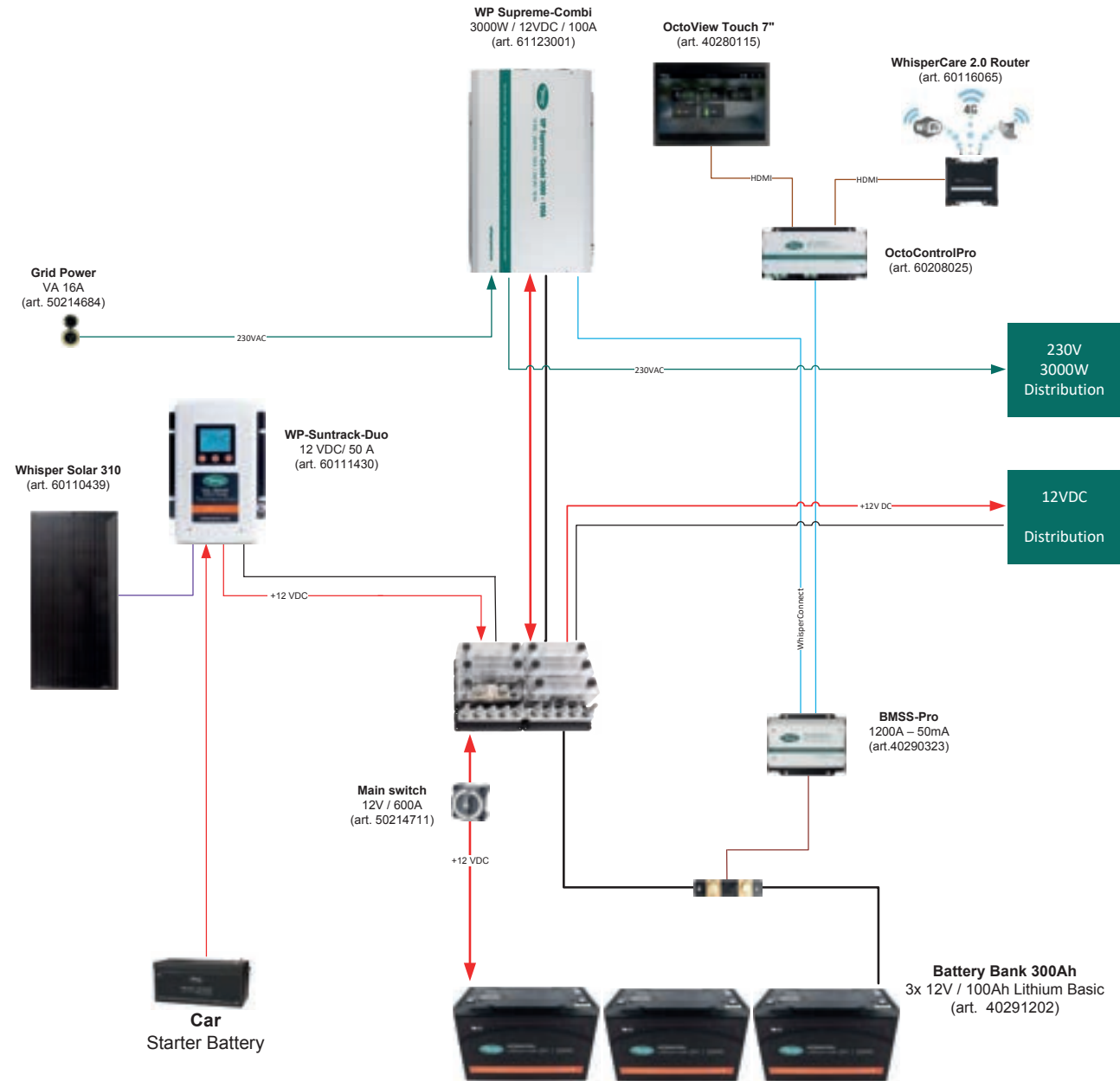
OctoPower 3

INVERTER/SOLAR SYSTEM FOR E-VEHICLE

Single Phase, 230 VAC, 12 VDC



System example



WhisperCare 2.0

Cloud-based monitoring

With its in-house developed WhisperCare 2.0, WhisperPower has taken the next step towards secure, robust, easily accessible and cost-effective remote monitoring. Security and compliance are important to WhisperPower, the highest standards have been incorporated in the design.

Implementation of the new software in WhisperPower's systems is ongoing, linking to other systems such as navigation systems are easily achieved. The range of OctoControl interfacing devices makes connectivity at various system levels (local, cloud-based) easy.

Portal

Developed and maintained for end-users, fleet managers, dealers and service engineers alike.

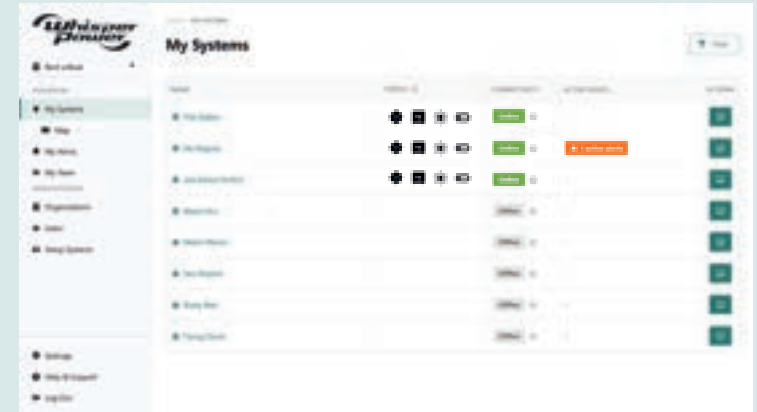
Using WhisperCare leads to:

- Increased system efficiency
- Saves costs on cost of operation
- Pro-active support

Benefits of using the WhisperCare cloud portal

- Full control of your system from everywhere
- Uptime improvement using connectivity
- Performance improvement owed to data analysis
- Cost reduction through pro-active maintenance and support

Watch the status of all your systems in a single overview, on a map or in a summarized list. View a summary of advanced alerts, alarms and notifications from all your WhisperPower systems.



Real time monitoring

Detailed real time information, both on system level and on single device level.



Historical trend data

Historical analytic gives insight in the usage and status of your WhisperPower system over a longer time. Full data can be viewed in graphs up to 3 years ago. Useful for diagnostics and pro-active maintenance.

**ASK FOR OUR WHISPERCARE 2.0 BROCHURE
TO LEARN MORE**

WhisperCare 2.0

OctoControl User Interface



All information from your WhisperPower energy system (or OctoPower system) centralized and presented in an easy to read format. The OctoControl module collects real-time information from your WhisperPower system, processes it and displays it on your WhisperPower Touch monitor, a third party MFD or in the WhisperCare cloud interface.

Smart features:

- Generator automatic run request
- Day and night profile
- Advanced alerts, alarms and notifications

Thanks to the smart WhisperCare software, seamless integration to third parties like Garmin, is possible to control the complete Whisper-Power system from your navigation screen, and other Multi functional displays.



Smart features allows the use of automatic generator requests.



All system information presented in an easy to read format



Full details and control of all WhisperPower equipment



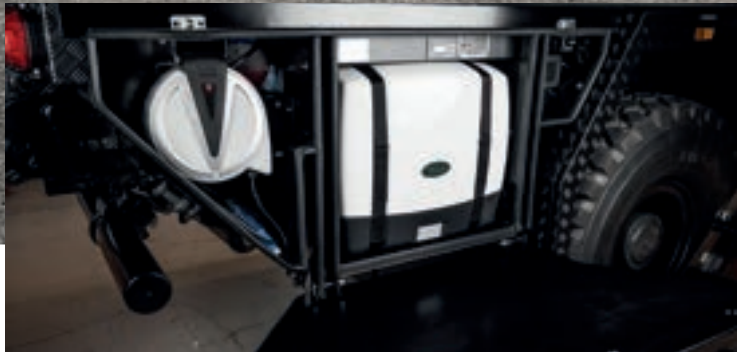
Summarized input and output power data combined from all chargers in a system



Enjoy Green Energy



SOD
STONE OFFROAD DESIGN



References



KONGSBERG



Koninklijke Landmacht



Making vehicles special



creating mobility



STONE OFFROAD DESIGN



Abwasser- und Umwelttechnik



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