

green energy solutions

DC Power Distribution



No compromise in safety and reliability Around the battery

When leaving the marina and heading for the ocean, you are getting fully dependent on your boat electrical system. The same is valid for your vehicle or RV: as soon as landpower is disconnected, everything should work independently. With WhisperPower, you are secured electricity is guided into the appropriate conduits which prevents dangerous situations. The WhisperPower DC distribution program offers high quality components ensuring a safe and enjoyable trip.



Around the battery

When setting up the battery banks of your 12 or 24V system, the required capacity and choice of battery technology are not the only important elements. Vital components around the battery are at least as important. WhisperPower provides you with all the necessary high quality components to perfectly round off your installation.

A complete program

- WP-Compact or WP-Heavy duty, manual ON/OFF switches to connect/disconnect DC consumers and/or battery bank.
- Bi-stable remote battery switch/magnetic

latch, for remote ON and OFF switching of the DC consumers and/or battery bank.

- Voltage Guard, battery disconnect - WVG, protection against battery discharge, and remote battery switch.
- Automatic charge relay - WBL, to interconnect two battery banks during charging.
- Low voltage drop battery isolators - WBI, a battery isolator with a negligible voltage drop. Therefore the ideal solution for charging multiple battery banks with any style of charging equipment of which the charge voltage cannot be adjusted. Important feature: the WBI does not waste charge energy due to its high efficiency.



DC-DC converters

Onboard of a yacht or vehicle the DC voltage can fluctuate considerably. Power inverters, bow thrusters, electrical motors, and/or winch installations often work directly from the 24V battery. But navigation and communication equipment require a stable 12 V. By using a DC-DC converter other voltages can be taken from the 24VDC main battery. DC-DC converters ensure that all your onboard equipment get a stable power supply with the correct voltage. As a result, the life span of your expensive navigation equipment. Flickering of the lights belongs to the past now. WhisperPower DC-DC converters contribute to a comfortable and pleasant stay on board. Our DC-DC converter series exists of two ranges:

- **Multipurpose series- WP-MC or WP-MG**, DC-DC converters with common ground or with galvanic isolation
- **Professional series- WP-MCC or WP-MGC**, DC-DC converters with a variable voltage charging converter and light dimming functionality. Available with or without galvanic isolation.

Digital Switching System

Growing demands regarding convenience and functionality on board require the latest technology for a boat's electrical system. Achieving this performance range with today's conventional technology generates a tremendous amount of wiring and mounting as most of the requested features such as power management, alarm systems or supervision are independent systems. All these features are merged into the WP-Logic System. Your experience in combination with the WP-Logic System and WhisperPower worldwide sales, engineering and service network will guarantee future success.

Compact battery switches

Power distribution

DC-DC converters

WP-Logic



All around the battery

DC Power Distribution

Our DC Power Distribution components comply with the highest industrial standards. Using these components will result in a “bullet proof” electrical system, with no weak links, following the highest standards of quality, reliability and accessibility for solid, corrosion proof connections.

Compact battery switches

We work with a leading manufacturer of DC switches, who has more than 20 years of experience in the design and manufacture of high class components. The switches are safe, easy to install and offer a wide variety of mounting options: rear-panel, front-panel and surface. The switches are made of tin plated copper and heavy duty plastics.

Remote battery switch, bi-stable relays

These devices provide high-current remote battery switching without drawing any current in the ON or OFF position. Their main purpose is to protect the battery from excessive discharge. They are important components for DC systems based Lithium Ion batteries and will protect against overcharge and discharge.

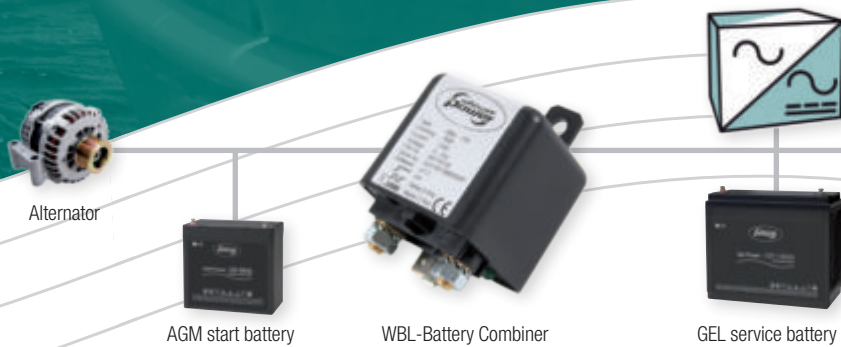


Technical Data

WHISPERPOWER COMPACT BATTERY SWITCHES, 300A, 600A 12, 24V	
50214701	WP-Compact Manual Battery Switch 300A, single circuit ON-OFF
50214702	WP-Compact Manual Battery Switch 300A, dual circuit
50214703	WP-Compact Manual Battery Switch 300A, dual circuit & selector switch battery switch
50214705	WP-Compact spare knob
50214706	WP-Compact identification label
50214707	WP-Compact paralleling DC busbar, 300A

WHISPERPOWER HEAVY DUTY BATTERY SWITCHES, 300A, 600A 12, 24V	
50214711	WP-HD Manual Battery switch 600A, single circuit ON-OFF
50214712	WP-HD Manual Battery switch 600A, dual circuit
50214715	WP-HD spare Knob
50214716	WP-HD identification label
50214717	WP-HD paralleling DC busbar, 300A

WHISPERPOWER REMOTE BATTERY SWITCH, BISTABEL (NO DC CURRENT DRAIN)	
50214731	WP-Magnetic Latch Battery Switch, 500A / 12V, incl. remote switch
50214732	WP-Magnetic Latch Battery Switch, 500A / 24V, incl. remote switch



Compact battery switches

Automatic voltage guard - battery disconnect - WVG

The Whispervoltage Guard is designed for smaller systems, with a maximum current of 200 A. The WVG has to be installed between the battery and the connected DC units. The over- and under voltage settings are programmable, so the WVG can be adapted to each DC system. It will increase battery lifetime by protecting against excessive discharge or overvoltage charging.

Automatic charge relay - WBL

The WBL-120 Whisper Battery Link is a microprocessor controlled battery link (or battery combiner) connecting two batteries. When the first battery is being charged, for example a vehicle's starter battery, the second battery will be linked and will be charged with the same charge voltage (no voltage drop like when using traditional battery isolators). During starting or other heavy loading, and during periods when battery 1 is not charged, battery 2 will be disconnected. Power rating 120 A continuous, 180 A maximum.

Low voltage drop battery isolator - WBI

WBI low voltage drop battery isolators are designed to divide the charging output of a DC alternator, or battery charger in 2 or 3 separate connections, allowing multiple battery charging. Traditional battery isolators will reduce the charge voltage by up to 0.6VDC, which will cause an undercharge of the connected battery. The WBI's are voltage drop free and are therefore the ultimate solution for charging multiple battery banks with charge equipment whose charge voltage cannot be adjusted. Available for 2 or 3 banks, 150 A maximum charge current.



Technical Data

WBI-SERIES WHISPER POWER BATTERY ISOLATOR - WITHOUT VOLTAGE DROP	
60115002	WBI 150-2IG 1 DC input, 2 DC outputs, 150A
60115003	WBI 150-3IG 1 DC input, 3 DC outputs, 150A

WBL – BATTERY CHARGE CONNECTION	
60110120	WBL-120 Battery Link, 9 -35V, 120A cont., 180A maximal

WBL-VG AUTOMATIC DC SWITCH OFF RELAY	
60110200	WVG Whisper Voltage Guard – for 12V or 24V, 200A



DC-DC Converters

WP-MC & MG Series

Onboard a yacht or vehicle, the DC voltage required can vary considerably. Inverters, thrusters, or a winch often work at 24 V. But navigation and communication equipment requires 12VDC in general. By using a DC-DC converter other voltages than applied in your power system can be achieved. DC-DC converters also ensure that all your onboard equipment with a stable voltage. Our DC-DC converters extend the life span of your expensive navigation equipment. Flickering of the lights belongs to the past. WhisperPower DC-DC converters contribute to more comfort and a safe stay on board.

WP-MC and WP-MG series

This product range is designed for use with 'normal' applications, in a conditioned environment. These cost effective converters are suitable for non-critical loads like VHF radio's, halogen lights, pumps, etc.

WP-MC Multi purpose DC-DC converters, common ground

- Step down, step up converters for 12, 24, 48V battery systems
- High class switched mode technology
- Efficient conversion with minimal energy loss
- Common ground (non-isolated)
- All protection circuitry included
- Plug and play installation

The WP-MC multi purpose switched mode DC-DC converters with common ground are suitable for easy installation and reduction of cable and cable size for use with 12V equipment on a 24V system. Also suitable for providing a model for powering 24V equipment on a 12V board system. The WP-MC DC-DC converters use a high frequency switch mode technique optimising the overall system efficiency.

Our high power models have temperature-controlled ventilation. Short-circuit protection and current limited behaviour assure a totally reliable power converter. The WP-MC is the best in class all rounder converter with an excellent price to performance ratio.

WP-MG Multi purpose DC-DC converters, with galvanic isolation

Step down converters for 12, 24, 48V battery systems
Our switched-mode DC / DC converters are designed to convert one DC voltage, i.e. 24VDC, to another DC voltage, i.e. 12VDC. WhisperPower technology ensures a minimum of energy loss and the highest output quality.



DC-DC converters, common ground

- Step down converters for 12, 24, 48V battery systems
- High class switched mode technology
- Efficient conversion with minimal energy loss
- Common ground (non-isolated)
- All protection circuitry included
- Plug and play installation

DC-DC converters, with galvanic isolation

- High class switched mode technology
- Galvanic isolation as standard
- Extremely compact and light weight
- Highly efficient as a result of applied switched mode technology
- Industrial standard, fully CE compliant

Technical Data

MC SERIE - CONVERTERS 'NON ISOLATED' (COMMON GROUND)					
60110010	MC 24/12-08	50 x 98 x 88 mm (H x W x D)	- 270 gr	24V to 12V	- 8A
60110016	MC 24/12-12	50 x 98 x 88 mm (H x W x D)	- 290 gr	24V to 12V	- 12A
60110011	MC 24/12-20	50 x 126 x 88 mm (H x W x D)	- 440 gr	24V to 12V	- 20A
60110012	MC 24/12-30	50 x 151 x 88 mm (H x W x D)	- 500 gr	24V to 12V	- 30A
60110017	MC 12/24-10	50 x 126 x 88 mm (H x W x D)	- 360 gr	12V to 24V	- 10A

MG SERIE - CONVERTERS 'ISOLATED' (GALVANIC ISOLATED)					
60110020	MG 24/12-16-i	50 x 176 x 88 mm (H x W x D)	- 630 gr	24V to 12V	- 16A
60110021	MG 24/12-30-i	83 x 186 x 133 mm (H x W x D)	- 1.4 Kg	24V to 12V	- 30A
60110023	MG 48/12-30-i	83 x 186 x 133 mm (H x W x D)	- 1.4 Kg	48V to 12V	- 30A
60110024	MG 48/12-08-i	50 x 151 x 88 mm (H x W x D)	- 630 gr	48V to 12V	- 8A
60110025	MG 24/24-15-i	83 x 186 x 133 mm (H x W x D)	- 1.4 Kg	24V to 24V	- 15A



DC-DC Converters

WP-MCC Series

Our WP-MCC current limited DC to DC converters are designed for a dual function: supplying 12VDC from a 24VDC battery, with the ability to charge the same 12 V battery following a sophisticated charge characteristic. This eliminates the need to install an additional battery charger.

Converter and charger in one

The MCC multi-purpose, programmable, common ground range of DC-DC converters convert 12V from a 24VDC battery. The MCC converter is designed at the same time to operate as a battery charger from your 24V battery bank and at the same time power your 12V equipment from the 24Velectrical system. In case the main batterybank is charged automatically, the 12V battery bank will be charged. WhisperPower offers the MCC series with 3-step charge algorithm, temperature sensor and dimmer functionality. The MCC is the best-in-class, all-round converter with an excellent price performance ratio.

DC-DC converters, MCC series

- 24V input, 12V output step down conversion, for use of your 12V equipment on 24V batteries.
- 12V 3-step charger algorithm and temperature compensation
- 12VDC voltage stablization and light dimming
- Remote option on/off connection



Technical Data

MCC SERIE - MULTI PURPOSE ADJUSTABLE CHARGE CONVERTER		
60110016	MCC 24/12-5	24V to 12V, 5A
60110015	MCC 24/12-20	24V to 12V, 20A



Whisper Power Digital Switching System

WP-Logic

Growing demands regarding convenience and functionality on board require a new technology for electrical systems. Achieving this performance range with today's conventional technology generates a tremendous effort in wiring and mounting. Most of the requested features like power management, alarm systems or supervision are independent systems. All these features can be merged now into the WP-LOGIC System.

WP-LOGIC is a decentralized, user configurable power distribution system. It is optimized for marine applications based on CAN-Bus technology (SAE J1939). Ease of configuration by means of the WhisperPower configuration software running on a standard Windows PC offers individual solutions for every boat or vehicle. The WP-LOGIC provides switching and controlling, timer functions; real load status indication, over-current protection and wire break detection. Each function is individually programmable to fit the requirements of the different loads.

The advantages for the boat owner

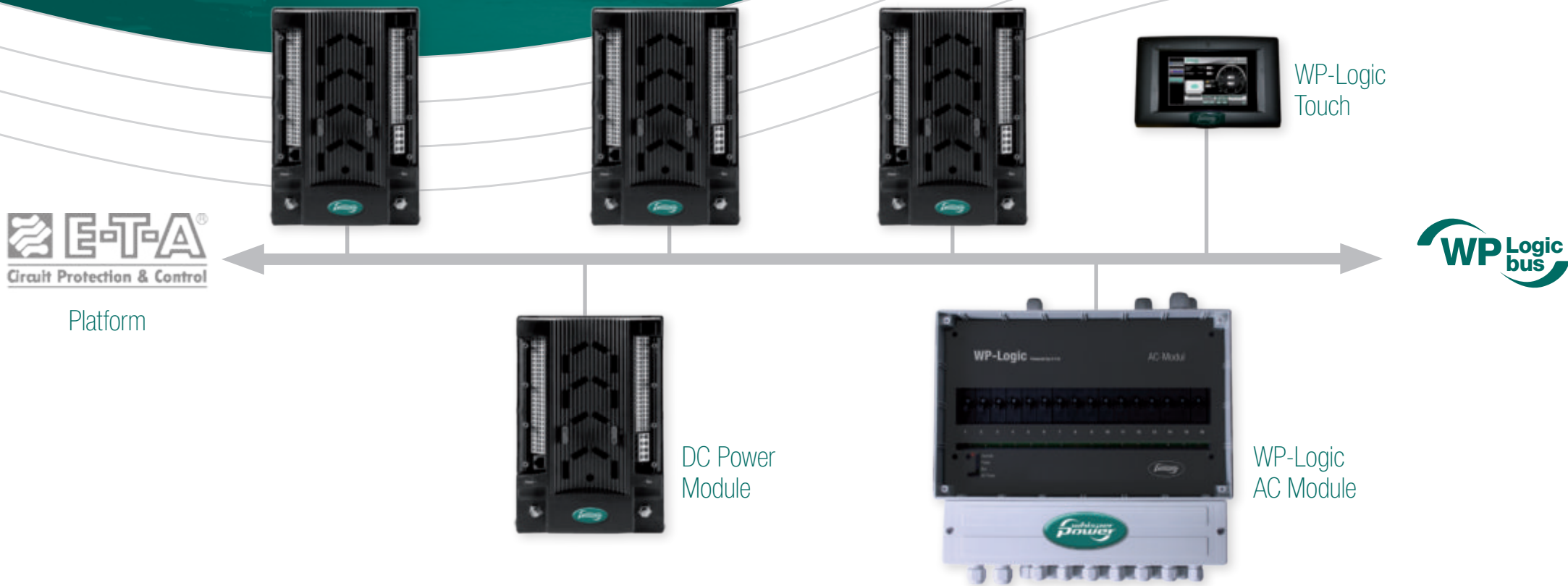
The WP-LOGIC offers a link between the look and feel of conventional technology and modern digital processing offering extensive diagnosis, monitoring and control functions. The main benefit for the boat owner besides having a modern electrical system is the integration of a lot of features like alarm and remote.

WP-Logic bus system for marine and mobile applications

The intelligent WhisperPower Bus System for the protection and control of electrical installations in professional marine, recreational yachts, work boats and vehicles. The proven CAN-Technology and the multi-plexing technique allows for easy configuration. The power distribution system, with touch screen display, provides: built-in diagnostics, monitoring and redundant mechanisms and programmable overload protection control.

WP-Logic Powered by E-T-A

- Digital AC+DC switching
- Digital 2-wire bus system
- Digital captain-touch screen
- Power management
- Load sharing
- Monitoring & control



Technical Data

WP-LOGIC - DIGITAL SWITCHING - AND DISTRIBUTION SYSTEMS		
60116001	WP-Logic Panel module i/o - set-up a/m	
60116002	WP-Logic Power module DC distribution, 8 groups a/m	
60116003	WP-Logic Power module AC distribution 8 groups	bipolar, 16 Unipolar
60116004	WP-Logic Software for Touch screen	
60116007	WP-Logic Touch screen -7 Inch	
60116006	USB / CAN Converter	tools including configuration
60116021	WP-Logic Fuse 2-pole	5A
60116022	WP-Logic Fuse 2-pole	10A
60116023	WP-Logic Fuse 2-pole	16A
67030510	USB / CAN Converter	USB 400 remote generator
60116010	Avisario W 23133 LAN box 2.0 [SD] with CAN interface	[iPhone]
60116011	CAN Cable 1x2x0.50HOC	CAN.BUS





International



Benelux



United Kingdom



Germany



France



Spain & Portugal



America



China



Pacific

green
energy
solutions

Information and contact

For more information and advice about WhisperPower products and services you can contact our local distributors and technical sales partners. For an up-to-date list of addresses and phone numbers go to www.whisperpower.com.

Headoffice

WhisperPower BV
Kelvinlaan 82
9207 JB Drachten
The Netherlands

Tel: +31 (0) 512 571 550
Fax: +31 (0) 512 571 599

info@whisperpower.com
www.whisperpower.com

Sales international

Tel: +31 (0) 512 571 565
sales@whisperpower.com

Technical support

Tel: +31 (0) 512 571 565
service@whisperpower.com

Service & Support Hotline (24/7)

Tel: +31 (0) 512 571 555
Fax: +31 (0) 512 571 599



green energy solutions

