



210 kWh battery management system

210 kWh battery management system

Modular battery rack Lithium Power Plus 24 V – 210 Ah – 5.5 kWh. Equipped with 4 battery modules. Choice of horizontal or vertical setup. Safe and space-saving energy storage. Perfect for land and maritime purposes. Advanced battery management with accurate battery monitoring. DNV type approval is optional.

Perfect for power installations with an inverter up to 4 kW, for example in small boats. Also for terrestrial applications. Robust housing with aesthetically sleek looks. Depending on your space, choice of horizontal or vertical design. Very safe way of energy storage. The cabinet is screwed into the technical space, thereby eliminating any chance of sliding or falling. No additional ventilation or cooling needed. Advanced BMS system with accurate battery monitoring through Whisper Interface Box WIB (not included). This ensures the modules are charged and discharged equally.

Our Lithium Power Plus modular battery racks are excellent scalable energy solutions ensuring high-performance outcomes. This construction method of the battery modules in a casing results in longer lifespan, higher reliability, and consistent power delivery. Already during the design process, we regulate the simultaneous charging and discharging of each battery module, something very difficult to achieve with individual modules and wiring.

In addition to standard models in horizontal and vertical execution, much more is possible. We gladly design your casing custom, with or without integrated DC distribution and one or more Whisper Interface Box battery management systems. Want to know which configuration fits your situation? Inquire about the possibilities.

Where other manufacturers stop developing, MG starts with a complete new design. The result: the safest and most compatible 12 Vdc lithium-ion battery. The SmartConnect battery is the most intelligent lithium-ion battery in the market. This stand-alone MG battery is packed with features: Integrated BMS, built-in safety-contactor, pre-charge circuit and sensors everywhere. The second generation LiFePO4 chemistry in combination with the SmartConnect concept makes this battery the ultimate choice.

The MG SmartConnect battery system includes one or more SmartConnect batteries and the SmartLink Connect. The design and technology is based on our proven line of batteries in combination with the safest and most reliable BMS in the market.

The MG SmartConnect battery system includes one or more SmartConnect batteries and the SmartLink Connect. The design and technology is based on our proven line of batteries in combination with the safest and most reliable BMS in the market.

The internal BMS of the SmartConnect ensures that the batteries are never overcharged or undercharged.



210 kWh battery management system

Furthermore it will always keep the battery within the operating window including temperature and current control.

What makes the SmartConnect unique is that it operates with any charger, inverter and combi in the market. The vast range of compatibility makes this battery the ultimate battery for system integration for new-builds and all your refit projects. You can choose to integrate the SmartConnect batteries in two ways: analog and digital.

As long as the charger and inverter can be remotely enabled and disabled, it is possible to control them with the Allow to Charge (ATC) and Allow to Discharge (ATD) contacts. To do so, easily use the Allow to Charge contact for the charger, and Allow to Discharge contact for the inverter. These two contacts (ATC and ATD) will automatically turn the charger and/or inverter on and off.

A slightly more sophisticated way is to digitally control the charger and inverter (or combi). The DVCC compatibility is a nice example of how the CAN-Bus is integrated via the NMEA2000 protocol. Digital control is often not necessary for simple installations, for which analog control is sufficient.

Download the MG Connect App in the Google Play Store or the Apple AppStore. Get direct insight in the energy consumption, state-of-charge and all essential battery parameters. Furthermore, it is possible to request support through the app.

Contact us for free full report

Web: <https://sumthingtasty.co.za/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

