Lithium ion battery 12 kWh

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The metal housing makes this 12 V battery solid and impenetrable. In addition, a metal enclosure serves as a strong EMC radiation protection. As a result, this Lithium Iron Phosphate battery is impact resistant and safe in operation.

Thanks to its design, this battery is suitable for installations in limited space. Besides, the next generation Lithium Iron Phosphate chemistry results in a high energy density. This reduces the weight substantially.

Monitor and control the MG battery system with your smartphone or tablet. Download the MG Connect app in the Play Store or App Store and enable bluetooth. Get insight into the battery status and energy consumption. It is also possible to change settings, read-out events and update to the latest firmware.

Easy installation with automatic configuration. Plug in the CAN-Bus of each battery module into the MG Master LV. This will automatically detect your configuration and install new firmware when available. The NMEA2000 CAN-Bus communicates with other equipment such as MFD displays, chargers and inverters, alternator controllers and more.

Integrated battery management system Measurement of all cell voltages and temperatures inside the battery Balancing on both cell and module level Galvanic isolated CAN-Bus Monitoring and protection by the Master LV

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The LFP 12 V battery modules are designed for use in smaller applications in mobile, marine and off-grid markets. For example to provide power in horse trailers or recreational vehicles.

The protection covers serves as a shield for the cabling of the batteries. This way the chance of damaging the connections is limited. In addition, the battery poles are covered which increases the product safety.

The robust metal housing of the MG batteries makes the product more solid. In addition, a metal enclosure serves as a strong EMC radiation protection. The Lithium Iron Phosphate batteries are impact resistant and safe to install with brackets or straps.

1 End-of-Life is 70% of initial capacity at 25 ?C. Cycle life is depending on the battery temperature. Higher battery temperature will result in lower number of cycles.2 Including BMS and enclosure.3 Duration is depending on battery temperature.4 Fuses can be replaced with non–fused battery poles for high power

applications. In this case the batteries need to be fused elsewhere in the circuit.5 Charge and discharge rates depending on battery temperature and State-Of-Charge

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