

# LFP 24V Series



UN38.3



IEC 62619  
EN 62620

\*concept



## PRODUCT SPECIFICATIONS

The third generation LiFePO4 chemistry forms the basis of this safe and reliable battery. It gives this battery module a high energy density and long cycle life. A modular and compact design makes system integration more flexible, especially in refit applications. The passive cooling concept keeps integration simple and straight forward. This battery is fully scalable in both voltage and capacity. Easily expand your energy storage system (ESS) by connecting the LFP batteries in parallel and series.

- ▶ LiFePO4 chemistry
- ▶ Larger systems up to 1 MWh
- ▶ Integrated Slave BMS
- ▶ CAN-Bus Communication with BMS

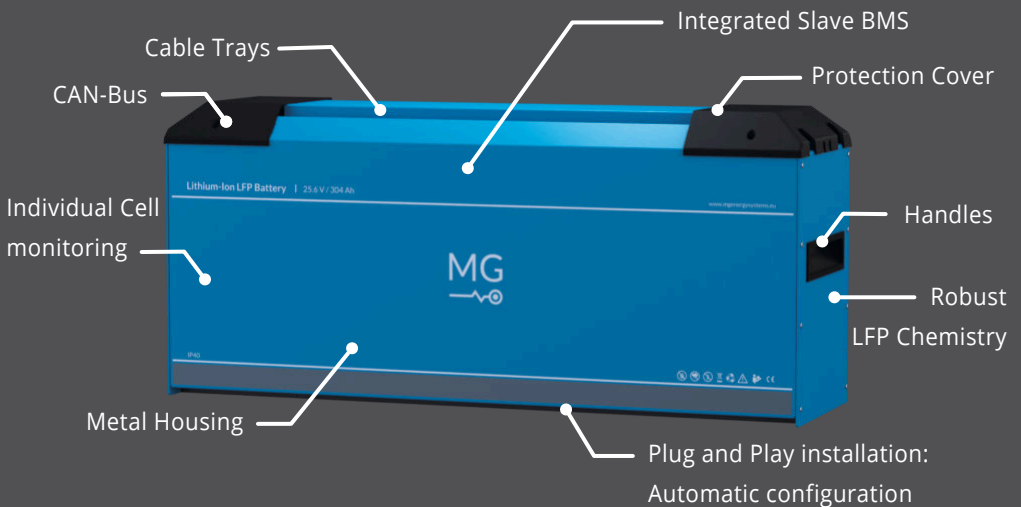


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## PRODUCT FEATURES



### SLP

Amphenol SurLok Plus  
Connectors



- ▶ All Front Side Connectors
- ▶ Fast and Safe Power Connections

### IP

In Progress



\*Concept Image

- ▶ All Front Side Connectors
- ▶ High IP Rating

### IP SMARTCONNECT

In Progress



\*Concept Image

- ▶ SmartConnect Technology
- ▶ Build in Safety Contactor

# LFP 24 V

Type	CAN-Bus	Capacity	Vdc	Weight
LFP 230	RJ45 & M12	5.8 kWh	16 in series up to 460 Vdc	41 kg
LFP 230 IP *	M12	5.8 kWh	22 in series	41 kg*
LFP 230 IP SC *	M12	5.8 kWh	Only parallel	44 kg*
LFP 304	RJ45 & M12	7.8 kWh	16 in series up to 460 Vdc	54 kg
LFP 304 SLP	M12	7.8 kWh	22 in series up to 563 Vdc	54 kg

\*In Progress

## HIGH & LOW VOLTAGE

By putting the LFP batteries in series, you can easily scale the voltage level. For example, four batteries in series creates a system voltage of 96 Vdc. As a result the LFP battery 24 V is an excellent choice for many applications. For instance: electric propulsion, mobile power packs and generator replacement. In addition, they are often used for solar energy storage and peak shaving purposes.

Every MG battery system must include an MG Master battery management controller for safe and reliable operation. Connect multiple MG Masters in parallel to create larger systems up to 1 MWh. The optional SmartLink MX provides the possibility to create redundant systems. This increases the reliability of your battery system even more.

## SYSTEM MODULARITY



**UP TO 1 MWH | 24 - 563 VDC**

## MG BATTERY SYSTEM

The LFP 24 V needs an MG Master to create a safe and reliable system. It monitors, controls and protects the MG battery system. Important parameters are not only tracked for safety purposes, but also provide insight into the battery status and energy consumption. The MG Energy Monitor is a display that makes local monitoring possible. In addition, the free MG Connect App and MG Energy Portal allows you to remotely monitor and control your battery system from any location.



### Monitoring & Control

- ▶ MG Energy Monitor
- ▶ MG Energy Portal
- ▶ MG Connect App
- ▶ MG Diagnostic Tool

