# LiFePO4 12,8V 100Ah (150A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE

PRODUCT CODE
**6AKLI10112**

EAN
**5904100450923**

CATEGORY
**Maintenance-free batteries (AGM, GEL, LiFePO4)**

SUBCATEGORY
**Maintenance-free batteries LiFePO4 (lithium)**

PRODUCT PAGE
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## ABOUT THE PRODUCT

The $LiFePO_4$ battery 12,8 V 100 Ah with an integrated BMS is characterised by its low weight, very low self-discharge and long service life of up to 6000 cycles at 60% DoD. It is suitable for emergency power systems, OFF-GRID installations, vehicles such as motorhomes and food trucks, and boats.

The integrated BMS controls the charging and discharging processes and enables long-term storage without loss of nominal capacity. W the battery is used in boats, it must be placed in a hermetically sealed enclosure.

To power devices with electric motors, a DC fuse must be installed in the positive battery circuit, with a rating no higher than the maximum load current specified on the enclosure. Starting currents of devices such as motors, compressors, refrigerators and air conditioners, which may be 5–10 times higher than the nominal operating current, may permanently damage the battery with BMS. The battery must be charged only with a charger intended for $LiFePO_4$ batteries.

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Electrical specifications** | **Nominal voltage** | 12,8 V |
| | **Nominal capacity** | 100 Ah |
| | **Voltage range** | 10,8 V - 14,4 V |
| | **Cut-off voltage** | 9,4 V |
| | **Maximum charging current** | 150 A |
| | **Maximum discharging current** | 150 A |
| | **Design life** | 3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD) |
| | **BMS protection** | Yes |

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## TECHNICAL SPECIFICATIONS - CONTINUED

| | | |
|---|---|---|
| **Operating and Charging Parameters** | **Self-discharge** | <3% per month |
| **Dimensions and Operating Environment** | **Operating temperature range** | -20°C to +55°C (discharging), 0°C to +55°C (charging) |
| | **Storage temperature range** | -20°C to +45°C |
| | **Dimensions (Length x Width x Height)** | 330 x 171 x 220 mm |
| | **Connector type** | T16 (screw connector M8) |
| | **Housing material** | ABS |
| | **Net weight** | 9,9 kg ±3% |
| | **Unit packaging dimensions** | 365 x 205 x 255 mm |
| | **Unit packaging weight (gross)** | 10,5 kg |

## PRODUCT GALLERY




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