LiFePO4 PRO 12,8V 100Ah (150A) MAINTENANCE-FREE BATTERY + BMS + BLUETOOTH + HEATING MAT

REGULAR RANGE

PRODUCT CODE
6AKLI10M12

EAN
5904100452040

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

SUBCATEGORY
Maintenance-free LiFePO4 PRO batteries (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

The LiFePO4 PRO 12,8V 100Ah (150A) battery is a maintenance-free energy source with an integrated BMS, Bluetooth module and heating mat. $LiFePO_4$ technology provides low weight, very low self-discharge and a high number of operating cycles — up to 6000 cycles at 60% DoD.

The integrated Bluetooth module enables the battery to connect to a phone and, using a dedicated application, monitor the state of charge, remaining capacity, current charging and discharging current, current voltage and discharge capacity.

The heating mat supports safe charging at low temperatures, increases the cell temperature and helps maintain their performance. Its operation is automatically regulated by the BMS.

The battery is intended for backup power systems, OFF-GRID installations, mobile vehicles such as motorhomes and food trucks, and electrical installations in boats. W the case of boats, a hermetically sealed battery enclosure is required. To power devices with an electric motor, a DC fuse must be installed on the (+) cable, with a rating not exceeding the maximum load current specified on the enclosure.

The maximum charging voltage is 14,6 V. After a prolonged period of inactivity, charging with a maximum current of 10 A is recommended. Exceeding the charger's maximum voltage may damage the cells. AGM batteries are recommended for starting outboard motors with an electric starter.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	100 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	10,8 V
	Maximum charging current	150 A
	Maximum discharge current	150 A
	Design life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes (with Bluetooth function and heating mat)
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	10,2 kg ±3%
	Individual packaging dimensions	365 x 205 x 255 mm
	Individual package weight (gross)	11,1 kg

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PRODUCT GALLERY





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