LiFePO4 12,8V 60Ah (60A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE

PRODUCT CODE
6AKLI06012

EAN
5904100450909

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

The LiFePO₄ battery 12,8 V 60 Ah with an integrated BMS is characterised by low weight, very low self-discharge and a high number of operating cycles — up to 6000 cycles at 60% DoD. The BMS controls the charging and discharging processes and supports safe battery storage without loss of nominal capacity.

The battery is intended for uninterruptible power supply systems, OFF-GRID installations and mobile applications in motorhomes, food trucks and boats. In W installations on boats, a sealed battery enclosure must be used to power electronic devices, lighting and household appliances.

To power devices with electric motors, such as motors driving a propeller, a DC fuse must be installed in the battery (+) circuit, with a rating not exceeding the maximum load current specified on the enclosure. Starting currents occurring in, among other things, motors, compressors, refrigerators and air conditioners may be 5–10 times higher than the nominal operating current and cause permanent damage to the battery, which is not covered by the warranty.

The battery must be charged exclusively with a charger dedicated to LiFePO₄ batteries.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	60 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	9,4 V
	Maximum charging current	60 A
	Maximum discharge current	60 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 Parameters and Charging	**Self-discharge**	<3% per month
Dimensions and Operating Environment	**Operating temperature range**	-20°C to +55°C (discharge), 0°C to +55°C (charging)
	Storage temperature range	-20°C to +45°C
	Dimensions (Length x Width x Height)	197 x 165 x 170 mm
	Connector type	T14 (screw terminal M6)
	Housing material	ABS
	Net weight	5,6 kg ±3%
	Individual package dimensions	365 x 215 x 265 mm
	Individual package weight (gross)	12 kg

PRODUCT GALLERY



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