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

REGULAR RANGE

PRODUCT CODE
6AKLI15112

EAN
5904100452835

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

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ABOUT THE PRODUCT

The LiFePO₄ battery 12,8 V 150 Ah with an integrated BMS is characterised by its low weight, very low self-discharge and high cycle life. The designed service life is approximately 6000 cycles at DoD 60%.

Due to its high cycle life, the battery is suitable for backup power systems and OFF-GRID installations. Its low weight also allows it to be used in mobile installations, including motorhomes, food trucks and boats. W the battery is used on a boat, it must be placed in a hermetically sealed enclosure.

The integrated BMS controls the charging and discharging process and enables long-term storage without loss of nominal capacity. The battery must only be charged with a charger intended for LiFePO₄ batteries.

W When powering devices with an electric motor, a DC fuse must be installed in the positive battery cable, with a rating not exceeding the maximum load current specified on the housing. Starting currents occurring in, among others, motors, compressors, refrigerators and air conditioners may be 5–10 times higher than the nominal operating current and may cause permanent damage to the battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	150 Ah
	Voltage range	10,8 V - 14,4 V
	Maximum charging current	150 A
	Maximum discharge current	150 A
	Designed service 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 (discharge), 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	M8
	Housing material	ABS
	Net weight	13,5 kg ±3%
	Unit packaging dimensions	365 x 205 x 255 mm
	Unit packaging weight (gross)	14 kg

PRODUCT GALLERY



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