LiFePO4 12,8V 200Ah (150A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE

PRODUCT CODE
6AKLI20012

EAN
5904100452064

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

SUBCATEGORY
Maintenance-free batteries LiFePO4 (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

LiFePO₄ battery 12,8 V 200 Ah (150 A) with an integrated BMS, intended for backup power systems, OFF-GRID installations and mobile applications such as motorhomes, food trucks and boats. W in boat installations, the battery may power electronic devices, lighting and household appliances only when a hermetic enclosure is used.

Lithium-iron-phosphate technology provides low weight, high cycle life and very low self-discharge. The design life is 3000 cycles at 100% DoD, 4500 cycles at 80% DoD and 6000 cycles at 60% DoD. The integrated BMS controls the charging and discharging processes and enables long-term storage without loss of nominal capacity.

The battery must be charged only with a charger dedicated to LiFePO₄ batteries. W when powering devices with electric motors, a DC fuse must be installed on the battery positive cable, with a rating no greater than the maximum load current specified on the housing. Starting currents of motors, compressors, refrigerators or air conditioners may cause permanent damage to the LiFePO₄ battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	200 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	10,8 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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GENERATED: 2026-10-30 16:06

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)	485 x 172 x 240 mm
	Connector type	M8
	Housing material	ABS
	Net weight	17,8 kg ±3%
	Individual package dimensions	550 x 235 x 280 mm
	Individual package weight (gross)	18,7 kg

PRODUCT GALLERY





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