LiFePO4 PRO 12,8V 560Ah (200A) MAINTENANCE-FREE BATTERY + BMS + BLUETOOTH + HEATING MAT

REGULAR RANGE



PRODUCT CODE
6AKLI20M56

EAN
5904100452965

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

SUBCATEGORY
LiFePO4 PRO maintenance-free batteries (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

The LiFePO4 PRO 12,8V 560Ah (200A) battery is a maintenance-free solution with an integrated BMS, Bluetooth module and heating mat. Lithium-iron-phosphate technology ensures low weight, very low self-discharge and high cycle life — up to 6000 cycles at 60% DoD.

The integrated Bluetooth module enables connection to a phone and monitoring via a dedicated application of the state of charge, remaining capacity, current charging and discharging current, present voltage and discharged capacity.

The heating mat supports safe charging at low temperatures, reducing the risk of cell damage and helping maintain their performance. 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 battery is used on a boat, a hermetic battery enclosure is required.

When powering devices with an electric motor, a DC fuse must be installed on the battery’s positive cable, with a rating no greater than the maximum load current specified on the enclosure. Do not use the battery for devices generating a starting current 5–10 times higher than the nominal operating current. The maximum charging voltage is 14,6 V; after a prolonged period of inactivity, charging at a maximum current of 10 A is recommended. W the electric-starting of outboard motors, AGM batteries are recommended.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12,8 V
	Nominal capacity	560 Ah
	Voltage range	10,8 V - 14,6 V
	Maximum charging current	200 A
	Maximum discharging current	200 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)	420 x 310 x 285 mm
	Connector type	M8
	Housing material	ABS
	Net weight	53,6 kg ±3%
	Unit packaging dimensions	515 x 365 x 340 mm
	Unit packaging weight (gross)	55,25 kg

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PRODUCT GALLERY









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PRODUCT GALLERY - CONTINUED



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