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

REGULAR RANGE

PRODUCT CODE
6AKLI20212

EAN
5904100452699

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

SUBCATEGORY
Maintenance-free batteries LiFePO4 (lithium)

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ABOUT THE PRODUCT

The LiFePO₄ battery 12,8 V 200 Ah with an integrated BMS is characterised by low weight, very low self-discharge and a high number of operating cycles. The designed service life is approximately 6000 cycles at DoD 60%.

Thanks to its high cycle life, it is suitable for backup power systems and OFF-GRID installations. Its low weight enables use in mobile installations, including motorhomes, food trucks and boats. W the case of installations on boats, the battery 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 be charged exclusively with a charger intended for LiFePO₄ batteries.

When powering devices with an electric motor, a DC fuse must be installed on the battery positive cable, with a rating no higher than the maximum load current specified on the housing. Starting currents of motors, compressors, refrigerators or air conditioners may be 5–10 times higher than the nominal operating current and cause permanent damage to the battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	200 Ah
	Voltage range	10,8 V - 14,4 V
	Maximum charging current	200 A
	Maximum discharge current	200 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 (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	17,9 kg ±3%
	Unit packaging dimensions	550 x 235 x 280 mm
	Unit packaging weight (gross)	18,8 kg

PRODUCT GALLERY



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