LiFePO4 12,8V 100Ah (100A) MAINTENANCE-FREE BATTERY + BMS + LCD

REGULAR RANGE



PRODUCT CODE
6AKLI10L12

EAN
5904100450893

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-lifepo4-128v-100-ah-100a-l...

ABOUT THE PRODUCT

The $LiFePO_4$ 12,8 V 100 Ah battery with an integrated BMS and LCD display is a maintenance-free power source with low weight, high cycle life and very low self-discharge. The designed service life is approximately 6000 cycles at 60% DoD.

Due to its properties, $LiFePO_4$ technology is suitable for backup power systems, OFF-GRID installations and mobile installations in motorhomes, food trucks and boats. W the battery is used on boats, 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 be charged only with a charger intended for $LiFePO_4$ batteries.

W when powering devices with an electric motor, a + fuse rated DC no higher than the maximum load current indicated on the enclosure must be installed in the battery circuit. Starting currents of motors, compressors, refrigerators or air conditioners may be 5–10 times higher than the nominal operating current and may cause permanent damage to the battery with BMS, which is not covered by the warranty.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	100 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	9,4 V
	Maximum charging current	100 A
	Maximum discharge current	100 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes
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)	330 x 171 x 220 mm
	Connector type	T16 (screw terminal M8)
	Housing material	ABS
	Net weight	10 kg ±3%
	Individual packaging dimensions	365 x 205 x 255 mm
	Individual packaging weight (gross)	10,9 kg

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PRODUCT GALLERY



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