LiFePO4 12,8V 150Ah (100A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE

PRODUCT CODE
6AKLI15012

EAN
5904100450992

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-lifepo4-128v-150ah-150a-b...



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 number of operating cycles. The designed service life is approximately 6000 cycles at DoD 60%.

Due 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 In boat installations, the battery may supply electronic devices, lighting and household appliances only when placed in a hermetically sealed enclosure.

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 intended for LiFePO₄ batteries.

When powering devices with electric motors, a fuse DC must be installed in the battery's positive circuit, with a rating no greater than the maximum load current specified on the enclosure. Starting currents occurring in motors, compressors, refrigerators and air conditioners, among others, 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	150 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

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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	Screw terminal M8
	Housing material	ABS
	Net weight	13,4 kg ±3%
	Individual packaging dimensions	365 x 205 x 255 mm
	Gross weight of individual package	13,9 kg

PRODUCT GALLERY





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