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

REGULAR RANGE

PRODUCT CODE
6AKLI10012

EAN
5904100450916

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/lifepo4-akumulator-100a-100ah-bms



ABOUT THE PRODUCT

The LiFePO₄ battery (lithium-iron-phosphate) 12,8 V 100 Ah with an integrated BMS is characterised by low weight, very low self-discharge and a high number of operating cycles — up to 6000 cycles at 60% DoD.

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 In boat installations, the battery may power electronic devices, lighting and household appliances only when installed in a hermetic 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 dedicated to LiFePO₄ batteries.

When powering devices with an electric motor, a DC fuse must be installed in the battery (+) circuit, with a rating no greater than the maximum load current specified on the housing. 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	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
	Design 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
	Ingress protection rating	IP65
	Dimensions (Length x Width x Height)	330 x 171 x 220 mm
	Connector type	T16 (screw connector M8)
	Housing material	ABS
	Net weight	9,7 kg ±3%
	Unit packaging dimensions	365 x 205 x 255 mm
	Unit packaging weight (gross)	10,2 kg

PRODUCT GALLERY





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