LiFePO4 25,6V 120Ah (120A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE



PRODUCT CODE
6AKLI24120

EAN
5904100450947

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-lifepo4-256v-120ah-120a-b...

ABOUT THE PRODUCT

LiFePO₄ battery 25,6V 120Ah (120A) MAINTENANCE-FREE BATTERY + BMS is a low-weight, high-cycle-life solution with very low self-discharge. The designed service life is approximately 6000 cycles at 60% DoD.

Thanks to the integrated BMS, the battery is intended for operation in backup power systems and OFF-GRID installations. Its low weight enables use in mobile installations, including motorhomes, food trucks and boats. W the battery is installed on a boat, it may power electronic devices, lighting and household appliances only when a hermetic enclosure is used.

The BMS controls the charging and discharging processes and allows long-term storage without loss of nominal capacity. The battery must be charged only with a charger dedicated to LiFePO₄ batteries.

W when powering devices with an electric motor, a DC fuse must be installed on the battery (+) cable, with a rating not exceeding 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 may cause permanent damage to the LiFePO₄ battery with BMS, which is not covered by the warranty.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	25,6 V
	Nominal capacity	120 Ah
	Voltage range	21,6 V - 29,2 V
	Cut-off voltage	18,8 V
	Maximum charging current	120 A
	Maximum discharging current	120 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes
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	21,1 kg ±3%
	Individual packaging dimensions	545 x 235 x 290 mm
	Individual packaging weight (gross)	22,1 kg

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PRODUCT GALLERY









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