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

REGULAR RANGE

PRODUCT CODE
6AKLI20M20

EAN
5904100452705

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

SUBCATEGORY
Maintenance-free LiFePO4 PRO batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-lifepo4-pro-128v-200-ah-2...



ABOUT THE PRODUCT

LiFePO4 PRO 12,8V 200Ah (200A) MAINTENANCE-FREE BATTERY + BMS + BLUETOOTH + HEATING MAT battery, index 6AKLI20M20, uses lithium-iron-phosphate technology. The built-in BMS controls the charging and discharging processes and supports safe long-term battery storage without loss of nominal capacity.

The built-in Bluetooth module enables the battery to be connected to a phone using a dedicated application. The user can monitor the state of charge and remaining capacity, current charging and discharging current, current voltage, and discharge capacity.

The heating mat supports safe charging at low temperatures by increasing the temperature of the cells and reducing the risk of damage. It also helps maintain the appropriate battery performance and service life. Its operation is automatically regulated by the BMS system.

The battery is intended for backup power systems, OFF-GRID installations, mobile vehicles such as motorhomes and food trucks, and boats. W boat installations, it may power electronic devices, lighting, and household appliances only when a hermetic battery enclosure is used. W the case of 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 enclosure. AGM batteries are recommended for starting outboard motors with an electric starter. The maximum charging voltage is 14,6 V. After an extended period of inactivity, charging with a maximum current of 10 A is recommended.

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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 discharging current	200 A
	Design life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes (with Bluetooth function and heating mat)
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	18,1 kg ±3%
	Individual package dimensions	550 x 235 x 280 mm
	Gross weight of individual package	19 kg

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PRODUCT GALLERY



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