LiFePO4 PRO 38,4V 100Ah (100A) MAINTENANCE-FREE BATTERY + BMS + BLUETOOTH + HEATING MAT

REGULAR RANGE



PRODUCT CODE
6AKLI38100

EAN
5904100453214

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

SUBCATEGORY
Maintenance-free LiFePO4 PRO batteries (lithium)

PRODUCT PAGE
voltpolska.pl/produkty/lifepo4-pro-384v-100ah-100a-akumulat...

ABOUT THE PRODUCT

The LiFePO4 PRO 38,4V 100Ah (100A) battery is a maintenance-free energy source with an integrated BMS, Bluetooth module and heating mat. Lithium-iron-phosphate technology provides low weight, a high number of operating cycles and a very low self-discharge rate.

The integrated BMS controls the charging and discharging processes and supports long-term battery storage without loss of nominal capacity. The Bluetooth module enables connection to a phone and monitoring, using a dedicated application, of the state of charge, remaining capacity, current charging and discharging current, present voltage and discharge capacity.

The heating mat supports maintaining optimum battery performance and reliability at low temperatures. The battery is intended for backup power systems, OFF-GRID installations, vehicles such as motorhomes and food trucks, and boat installations, exclusively when using a hermetic battery enclosure.

The designed service life is up to 6000 cycles at DoD 60%. The battery can operate in systems with a nominal voltage of 38,4 V and nominal capacity of 100 Ah, at a maximum charging and discharging current of 100 A.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	38,4 V
	Nominal capacity	100 Ah
	Voltage range	32,4 V - 43,8 V
	Maximum charging current	100 A
	Maximum discharging current	100 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes (with Bluetooth function and heating mat)

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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 (discharging), 0°C to +55°C (charging)
	Storage temperature range	-20°C to +45°C
	Dimensions (Length x Width x Height)	522 x 240 x 218 mm
	Connector type	M8
	Housing material	ABS
	Net weight	26,7 kg ±3%
	Individual package dimensions	555 x 305 x 255 mm
	Gross weight of individual package	27,8 kg

PRODUCT GALLERY





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