LiFePO4 PRO 25,6V 50Ah (100A) MAINTENANCE-FREE BATTERY + BMS + BLUETOOTH + HEATING MAT

REGULAR RANGE



PRODUCT CODE
6AKLI24110

EAN
5904100453009

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

SUBCATEGORY
LiFePO4 PRO maintenance-free batteries (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

The LiFePO4 PRO 25,6V 50Ah (100A) battery is a maintenance-free solution with an integrated BMS, Bluetooth module and heating mat. Lithium-iron-phosphate technology provides low weight, very low self-discharge and a high number of operating cycles.

The integrated BMS controls the charging and discharging process and supports safe long-term battery storage. The heating mat increases the cell temperature during operation at low temperatures, enabling safe charging within the range specified for the battery.

The Bluetooth module allows the battery to be connected to a phone and the state of charge, remaining capacity, current charging and discharging current, present voltage and discharge capacity to be monitored in the application.

The battery is intended for backup power systems, OFF-GRID installations, vehicles such as motorhomes and food trucks, and boats, exclusively when using a sealed battery enclosure.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	25,6 V
	Nominal capacity	50 Ah
	Voltage range	21,6 V - 29,2 V
	Cut-off voltage	22,4 V
	Maximum charging current	100 A
	Maximum discharging current	100 A
	Design 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)	330 x 171 x 220 mm
	Connector type	M8
	Housing material	ABS
	Net weight	11 kg ±3%
	Unit package dimensions	365 x 205 x 255 mm
	Unit package weight (gross)	11,8 kg

PRODUCT GALLERY





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