LiFePO4 12,8V 20Ah (20A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE

PRODUCT CODE
6AKLI02012

EAN
904100450848

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

SUBCATEGORY
Maintenance-free batteries LiFePO4 (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

The $LiFePO_4$ battery 12,8 V 20 Ah with an integrated BMS is characterised by low weight, very low self-discharge and a high number of operating cycles. The designed service life is approximately 6000 cycles at 60% DoD.

Thanks to its high cyclic durability, the battery is suitable for emergency power systems, OFF-GRID installations and mobile installations in motorhomes, food trucks and boats. W the battery is used on boats to power electronic devices, lighting and household appliances, it must be placed in a hermetically sealed enclosure.

The integrated BMS monitors the charging and discharging processes and enables long-term storage without loss of nominal capacity. The battery must only be charged with a charger dedicated to $LiFePO_4$ batteries.

W when powering devices with an electric motor, a DC fuse must be installed on the battery positive cable, with a rating not exceeding the maximum load current specified on the housing. Starting currents occurring in, among other things, motors, compressors, refrigerators and air conditioners may be 5–10 times higher than the nominal operating current and may cause permanent damage to the battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	20 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	9,4 V
	Maximum charging current	20 A
	Maximum discharge current	20 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating Parameters and Charging	**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)	181 x 77 x 170 mm
	Connector type	T2
	Housing material	ABS
	Net weight	2,7 kg ±3%
	Individual packaging dimensions	365 x 205 x 255 mm
	Individual packaging weight (gross)	11,7 kg

PRODUCT GALLERY





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