LiFePO4 12,8V 33Ah (30A) MAINTENANCE-FREE BATTERY + BMS

REGULAR RANGE



PRODUCT CODE
6AKLI03312

EAN
5904100450879

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 33 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 DoD 60%.

Thanks to its high cycle life, it is suitable for emergency power systems and OFF-GRID installations. Its low weight enables use in mobile installations, including motorhomes, food trucks and boats. W the case of boat installations, the battery may power electronic devices, lighting and household appliances only when placed in a hermetically sealed enclosure.

The integrated BMS controls the charging and discharging processes and enables long-term storage without loss of nominal capacity. The battery must be charged exclusively with a charger designed for $LiFePO_4$ batteries.

When powering devices with an electric motor, a DC fuse must be installed in the positive battery circuit, with a rating no greater than the maximum load current specified on the housing. Starting currents occurring, among other applications, in motors, compressors, refrigerators and air conditioners may be 5–10 times higher than the nominal operating current and cause permanent damage to the battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	33 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	9,4 V
	Maximum charging current	30 A
	Maximum discharge current	35 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)
	BMS protection	Yes
Operating Parameters and Charging	**Self-discharge**	<3% per month
Dimensions and Operating Environment	**Operating temperature range**	-20°C to +55°C (discharge), 0°C to +55°C (charging)
	Storage temperature range	-20°C to +45°C
	Dimensions (Length x Width x Height)	174 x 165 x 126 mm
	Connector type	M6
	Housing material	ABS
	Net weight	2,9 kg ±3%
	Unit packaging dimensions	365 x 205 x 255 mm
	Unit packaging weight (gross)	6,6 kg

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PRODUCT GALLERY









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