LiFePO4 COMPACT LCD 12,8V 100 Ah (150A) BMS [260x167x210x218mm]

LIMITED DISTRIBUTION

PRODUCT CODE
6AKLIT1150

EAN
5904100453627

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

SUBCATEGORY
Maintenance-free LiFePO4 batteries (lithium)

PRODUCT PAGE
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ABOUT THE PRODUCT

LiFePO₄ COMPACT LCD 12,8V 100 Ah (150A) battery with integrated BMS management system is characterised by its low weight, compact dimensions, low self-discharge and high number of operating cycles. The designed service life is approximately 6000 cycles at 60% DoD.

The product is intended for uninterruptible power supply systems, OFF-GRID installations and mobile installations in motorhomes, food trucks and boats. W In boat applications, the battery should be installed 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 only with a charger dedicated to LiFePO₄ batteries.

When powering devices with an electric motor, a DC fuse must be installed on the positive battery 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 cause permanent damage to the battery with BMS.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12,8 V
	Nominal capacity	100 Ah
	Voltage range	10,8 V - 14,4 V
	Cut-off voltage	10,8 V
	Maximum charging current	150 A
	Maximum discharge current	150 A
	Designed service life	3000 cycles (100% DoD), 4500 cycles (80% DoD), 6000 cycles (60% DoD)

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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)	260 x 167 x 210 (218) mm
	Connector type	M8
	Housing material	ABS
	Net weight	9 kg ±3%

PRODUCT GALLERY





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