OPTI AGM 12V 10Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV010AG

EAN
5903760240714

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

PRODUCT PAGE
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ABOUT THE PRODUCT

OPTI AGM 12V 10Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended mainly for standby operation and backup power. Thanks to the use of glass-fibre separators, the immobilised electrolyte does not require replenishment, while automatic safety valves reduce the risk of excessive pressure build-up.

The battery is suitable for UPS systems, central-heating boilers and pumps, alarm systems, automation systems, monitoring, access control, telecommunications and other devices requiring stable voltage backup. The sealed construction enables operation in various positions and provides resistance to vibration.

The model is best suited to installations in which it remains in standby mode and supplies energy during a mains power failure. It is not primarily intended for intensive cyclic operation and regular deep discharge, typical of some photovoltaic installations, motorhomes, boats and off-grid systems. Correct operation requires the use of a charger or controller with settings compatible with the requirements of AGM batteries, as well as avoiding overcharging and prolonged storage in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12 V
	Nominal capacity	10 Ah
	Internal resistance (at 25°C)	35 mΩ
	Maximum charging current	1,95 A (the recommended charging current is 0,1C, i.e. 1 A)
	Maximum discharge current	97,5 A (for 5 seconds)
	Design life (at 25°C)	5 - 8 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating and Charging Parameters	**Charging voltage (cyclic operation)**	14,4 V - 14,7 V DC
	Charging voltage (standby operation)	13,5 V - 13,8 V DC
	Self-discharge (at 25°C)	Remains at 91% (after 3 months), 82% (after 6 months), 64% (after 12 months)
	Effect of temperature on capacity	102% (at 40°C), 100% (at 25°C), 85% (at 0°C), 65% (at -15°C)
Dimensions and Operating Environment	**Recommended operating temperature**	25°C ±3°C
	Operating temperature range	-15°C to +50°C (discharge), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	151 x 65 x 94 mm (overall height 100 mm)
	Net weight	1,9 kg - 2,0 kg ±3%

PRODUCT GALLERY



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