OPTI AGM 12V 14Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV014AG

EAN
5904100451524

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

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ABOUT THE PRODUCT

OPTI AGM 12V 14Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended primarily for standby operation and emergency power supply. The electrolyte is immobilised in glass-fibre separators, so the battery does not require electrolyte replenishment. The design with automatic safety valves reduces the risk of leakage and protects the casing against excessive pressure build-up.

The model is suitable for UPS installations, alarm systems, monitoring, access control, automation systems, boilers and central-heating pumps, as well as other devices requiring stable voltage backup. It performs best in systems in which it remains on standby and supplies energy during a mains power failure.

The battery can operate in various positions, and its design provides resistance to vibration. It is not primarily intended for intensive cyclic operation and regular deep discharges, such as energy storage in off-grid photovoltaic installations, motorhomes, boats or holiday cottages. Charging devices with settings compatible with the requirements of AGM batteries must be used for charging, while avoiding overcharging and excessive deep discharge.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	14 Ah
	Internal resistance (at 25°C)	18 mΩ
	Maximum charging current	3,6 A (the recommended charging current is 0,1C, i.e. 1,4 A)
	Maximum discharge current	180 A (for 5 seconds)
	Design life (at 25°C)	5 - 8 years

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 (discharging), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	151 x 98 x 94 mm (total height 100 mm)
	Net weight	3,3 kg ±3%

PRODUCT GALLERY





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PRODUCT GALLERY - CONTINUED



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