OPTI AGM 12V 9Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV009AG

EAN
5903760240707

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

PRODUCT PAGE
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ABOUT THE PRODUCT

The OPTI AGM 9Ah 12VDC VOLT POLSKA battery is a maintenance-free lead-acid battery manufactured using AGM technology, intended primarily for standby operation and backup power supply. The sealed design with electrolyte immobilised in glass-fibre separators does not require electrolyte replenishment, while automatic safety valves limit the risk of excessive pressure increase.

The battery is used in UPS systems, central-heating furnaces and pumps, alarm systems, automation systems, monitoring, access control, telecommunications and other equipment requiring voltage backup. It can be installed in various positions, including technical cabinets, device enclosures and locations with limited space.

Model AGM is best suited to installations in which it remains in standby mode and powers equipment mainly during mains power failure. It is not primarily intended for intensive cyclic operation with regular deep discharge; therefore, accelerated wear must be taken into account in such applications. Correct operation requires the use of a charger or regulator with settings suitable for AGM batteries, while overcharging and prolonged storage in a discharged state should be avoided.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12 V
	Nominal capacity	9 Ah
	Internal resistance (at 25°C)	46 mΩ
	Maximum charging current	1,65 A (the recommended charging current is 0,1C, i.e. 0,9 A)
	Maximum discharge current	82,5 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 (discharging), -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 (total height 100 mm)
	Net weight	1,7 kg ±3%

PRODUCT GALLERY



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