OPTI AGM 12V 7Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV007AG

EAN
5904100451531

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

SUBCATEGORY
AGM OPTI maintenance-free batteries

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ABOUT THE PRODUCT

OPTI AGM 12V 7Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology. It is primarily intended for standby operation and emergency power supply, including UPS, alarm, monitoring, automation, access control, heating boiler and central heating pump systems.

AGM technology uses glass-fibre separators in which the electrolyte is immobilised. The sealed construction reduces the risk of leakage, requires no electrolyte replenishment and enables the battery to operate in various positions. Automatic safety valves protect the housing against excessive pressure build-up.

The battery performs best in installations where it remains in standby mode and powers equipment during a mains power failure. It is not intended for intensive cyclic operation involving regular deep discharge and charging; therefore, its service life may be shorter in such applications. Proper operation requires the use of a charger or regulator with settings suitable for AGM batteries and avoidance of overcharging and prolonged storage in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	7 Ah
	Internal resistance (at 25°C)	48 mΩ
	Maximum charging current	1,35 A (the recommended charging current is 0,1C, i.e. 0,7 A)
	Maximum discharge current	67,5 A (for 5 seconds)
	Design life (at 25°C)	5 - 8 years

TECHNICAL SPECIFICATIONS - CONTINUED

Operating and Charging Parameters	**Charging voltage**	14,4 V - 14,7 V DC (for cyclic operation)
	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 (total height 100 mm)
	Net weight	1,7 kg ±3%

PRODUCT GALLERY



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