OPTI AGM 12V 11Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV011AG

EAN
5904100450459

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 11Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended mainly for standby operation and emergency power supply. It does not require electrolyte replenishment or typical maintenance activities, while its sealed construction with automatic safety valves reduces the risk of leakage and excessive pressure build-up.

The OPTI AGM 11Ah 12VDC VOLT POLSKA model is suitable for UPS installations, alarm systems, monitoring, access control, automation systems, boilers and central-heating pumps, as well as other devices requiring voltage backup. It can operate in various positions, facilitating installation in technical cabinets, device enclosures and locations with limited space.

The battery is intended primarily for applications in which it remains in standby mode and powers devices during a mains power failure. It is not recommended for intensive cyclic operation and regular deep discharges typical of off-grid photovoltaic installations, energy storage systems, motorhomes, boats and similar systems. For proper operation, use a charger or controller with settings compliant with the requirements of AGM batteries, and avoid overcharging and prolonged storage in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	11 Ah
	Internal resistance (at 25°C)	35 mΩ
	Maximum charging current	1,95 A (the recommended charging current is 0,1C, i.e. 1,1 A)
	Maximum discharge current	97,5 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 65 x 94 mm (total height 100 mm)
	Net weight	1,9 kg ±3%

PRODUCT GALLERY





PRODUCT GALLERY - CONTINUED





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