VPRO AGM 12V 18Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM018

EAN
5903760240547

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

SUBCATEGORY
VPRO AGM maintenance-free batteries

PRODUCT PAGE
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ABOUT THE PRODUCT

VPRO AGM 12V 18Ah VOLT POLSKA is a maintenance-free lead-acid battery manufactured using AGM technology, intended primarily for standby operation and backup power supply. It is suitable for UPS installations, alarm systems, monitoring, access control, automation systems, and powering heating boilers and central-heating pumps.

AGM technology uses separators made of glass fibres in which the electrolyte is immobilised. The sealed construction limits the risk of leakage and does not require electrolyte replenishment. Automatic safety valves protect the casing against excessive pressure increase, while the ability to operate in various positions facilitates installation in technical cabinets, device enclosures, and UPS systems.

The battery is intended for systems in which it remains on standby and supplies energy mainly during a mains power failure. It can also be used in recorders, routers, controllers, security systems, emergency lighting, gate automation systems, and other devices requiring voltage backup.

AGM is not intended primarily for intensive cyclic operation involving regular deep discharge and charging. Proper service life and safe operation require the use of a charger or regulator compatible with the requirements of AGM batteries, as well as avoiding overcharging and prolonged storage in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	18 Ah
	Internal resistance (at 25°C)	22,6 mΩ
	Maximum charging current	4,5 A (the recommended charging current is 0,1C, i.e. 1,8 A)
	Maximum discharge current	225 A (for 5 seconds)
	Design life (at 25°C)	8 - 10 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating Parameters and Charging	**Charging voltage (at 25°C)**	14,4 V - 15,0 V
	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)	181 x 77 x 167 mm (overall height 167 mm)
	Net weight	4,40 kg ±3%
	Unit packaging dimensions	19,1 x 8,4 x 18,6 cm
	Unit packaging weight (gross)	4,9 kg

PRODUCT GALLERY





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