VPRO AGM 12V 100Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM100

EAN
5903760240639

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

SUBCATEGORY
Maintenance-free batteries AGM VPRO

PRODUCT PAGE
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ABOUT THE PRODUCT

VPRO AGM 12V 100Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended primarily for standby operation and emergency power supply. It does not require electrolyte replenishment or typical maintenance procedures.

It is suitable for UPS systems, furnaces and central-heating pumps, alarm systems, automation, monitoring, access control, telecommunications and other devices requiring stable voltage backup. Thanks to its AGM design, it can operate in various positions and is resistant to vibration.

AGM technology uses separators made of glass fibre, in which the electrolyte is immobilised. The sealed housing reduces the risk of leakage, while automatic safety valves protect against excessive pressure build-up.

The battery is intended mainly for standby operation. It is not the best choice for installations involving regular deep discharge cycles, such as energy storage systems, off-grid photovoltaic systems, motorhomes, boats or holiday homes. Correct charging requires a charger or controller compliant with the requirements of AGM batteries; excessive charging voltage or current may lead to overcharging, reduced capacity or damage.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	100 Ah
	Internal resistance (at 25°C)	3,85 mΩ
	Maximum charging current	27 A (the recommended charging current is 0,1C, i.e. 10 A)
	Maximum discharge current	900 A (for 5 seconds)
	Design life (at 25°C)	8 - 10 years

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GENERATED: 2026-10-30 16:09

TECHNICAL SPECIFICATIONS - CONTINUED

Operating Parameters and Charging	**Charging voltage (at 25°C)**	14,4 V - 15,0 V
	Self-discharge (at 25°C)	Remains 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)	330 x 172 x 218 mm (total height 223 mm)
	Net weight	26 kg ±3%
	Unit packaging dimensions	34,5 x 18,2 x 27,5 cm
	Unit packaging weight (gross)	26,6 kg

PRODUCT GALLERY



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