VPRO AGM 12V 7Ah LONG LIFE MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM007

EAN
5903760240493

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

SUBCATEGORY
Maintenance-free batteries AGM VPRO

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-agm-vpro-12v-7-ah-vrla-be...



ABOUT THE PRODUCT

VPRO AGM 12V 7Ah VOLT POLSKA is a maintenance-free lead-acid battery manufactured using AGM technology, intended mainly for standby operation and backup power. It performs best in devices that remain in standby mode and use battery energy during a mains power failure.

AGM technology uses glass-fibre separators in which the electrolyte is immobilised. The sealed construction does not require electrolyte replenishment, reduces the risk of leakage and enables operation in various positions. Automatic safety valves protect the enclosure against excessive pressure buildup.

The battery is used in UPS systems, central-heating boilers and pumps, alarm systems, automation systems, monitoring, access control, telecommunications and other devices requiring stable voltage backup. It may also be used in selected mobile devices, provided that the charging and discharging parameters are correctly selected.

Model AGM is intended primarily for standby operation and is not the best choice for installations with regular deep discharge cycles, such as energy storage systems, off-grid photovoltaic systems, motorhomes, boats or holiday cottages. To preserve service life, use a charger or controller compatible with the requirements of AGM batteries, avoid overcharging and deep discharge, and do not store the battery for a long period in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	7 Ah
	Internal resistance (at 25°C)	43,5 mΩ
	Maximum charging current	1,65 A (the recommended charging current is 0,1C, i.e. 0,7 A)
	Maximum discharge current	82,5 A (for 5 seconds)
	Design life (at 25°C)	8 - 10 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating and Charging Parameters	**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)	151 x 65 x 94 mm (total height 100 mm)
	Net weight	1,77 kg ±3%
	Unit packaging dimensions	34,6 x 31,6 x 11,8 cm
	Unit packaging weight (gross)	2,27 kg

PRODUCT GALLERY



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