VPRO AGM 12V 14Ah LONG LIFE MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM014

EAN
5903760240530

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 14Ah LONG LIFE MAINTENANCE-FREE BATTERY by VOLT POLSKA is a sealed lead-acid battery manufactured using AGM technology. It is primarily intended for standby operation and backup power supply, remaining in standby mode and providing energy during mains power failure.

AGM technology uses separators made of glass fibre, in which the electrolyte is immobilised. The sealed construction limits the risk of leakage, while automatic safety valves protect the housing against excessive pressure increase. The battery does not require electrolyte replenishment or typical maintenance activities and can operate in various positions.

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

The AGM battery is best suited for standby operation. It is not primarily intended for intensive cyclic operation involving regular deep discharge and charging; therefore, its service life may be shorter in such applications. Use a charger or regulator with settings suitable for AGM batteries, avoid overcharging and prolonged storage in a discharged state, and periodically check the voltage during storage.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	14 Ah
	Internal resistance (at 25°C)	16,7 mΩ
	Maximum charging current	3,6 A (the recommended charging current is 0,1C, i.e. 1,4 A)
	Maximum discharge current	180 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 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 99 x 95 mm (overall height 100 mm)
	Net weight	3,3 kg ±3%
	Unit packaging dimensions	31,4 x 20,6 x 11,7 cm
	Unit packaging weight (gross)	3,8 kg

PRODUCT GALLERY



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