VPRO AGM 12V 20Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM020

EAN
5904100450800

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 20Ah VOLT POLSKA is a maintenance-free lead-acid battery manufactured using AGM technology, intended primarily for standby operation and emergency power supply. It performs best in systems where it remains in standby mode and supplies energy during a mains power failure.

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

The battery is intended for use in UPS systems, furnaces and central-heating pumps, alarm systems, automation systems, monitoring systems, access control, telecommunications and other devices requiring stable voltage backup. It may also be used in emergency lighting, gate automation systems, recorders, routers, controllers and security systems.

The AGM 12V 20Ah model is not primarily intended for intensive cyclic operation involving regular deep discharging and charging. W such applications, shorter service life and reduced available capacity under higher loads must be taken into account. To maintain performance and operational safety, a charger or regulator with settings compliant with the requirements of AGM batteries must be used, and overcharging and prolonged storage in a discharged state must be avoided.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	20 Ah
	Internal resistance (at 25°C)	13 mΩ
	Maximum charging current	5,4 A (the recommended charging current is 0,1C, i.e. 2,0 A)
	Maximum discharge current	270 A (for 5 seconds)
	Design service 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)	181 x 77 x 167 mm (overall height 167 mm) / *Note: W the first part of the text gives the length 182 mm, while the second gives 181 mm*
	Net weight	5,03 kg ±3%
	Individual packaging dimensions	32,5 x 18,8 x 18,5 cm
	Individual package weight (gross)	5,53 kg

PRODUCT GALLERY



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