VPRO AGM 12V 40Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUAGM040

EAN
5903760240561

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 40Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended mainly for standby operation and backup power supply. The glass-fibre separators used immobilise the electrolyte, reduce the risk of leakage and eliminate the need for replenishment. The design is equipped with automatic safety valves that protect the housing against excessive pressure increase.

The battery is suitable for UPS systems, central-heating furnaces and pumps, alarm systems, automation systems, monitoring, access control, telecommunications and other devices requiring stable voltage backup. It can power, among other devices, alarm control panels, recorders, routers, controllers, emergency lighting, gate automation systems and circulation pumps.

Model AGM is intended primarily for standby operation. It is not the best choice for installations in which the battery is regularly deeply discharged and charged, such as energy storage systems, off-grid photovoltaic systems, motorhomes, trailers or boats. In W such applications, its service life may be shorter than that of batteries intended for cyclic operation.

To maintain the appropriate service life and safety, use a charger or regulator with settings compatible with the requirements of AGM batteries, avoid overcharging and regular deep discharging. The battery should not be stored for a long time in a discharged state; during storage, its voltage should be checked periodically and the battery recharged if necessary.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	40 Ah
	Internal resistance (at 25°C)	8,58 mΩ
	Maximum charging current	12 A (recommended charging current is 0,1C, i.e. 4,0 A)
	Maximum discharge current	480 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 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)	198 x 167 x 173 mm (total height 173 mm)
	Net weight	12 kg ±3%
	Individual packaging dimensions	34,3 x 20,7 x 19,2 cm
	Gross weight of individual packaging	12,5 kg

PRODUCT GALLERY





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