# VPRO AGM 12V 120Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
**6AKUAGM120**

EAN
**5903760240646**

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

SUBCATEGORY
**VPRO maintenance-free batteries AGM**

PRODUCT PAGE
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## ABOUT THE PRODUCT

VPRO AGM 12V 120Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, intended primarily for standby operation and backup power supply. It does not require electrolyte replenishment or typical maintenance activities.

The battery is suitable for UPS systems, boilers and central heating pumps, alarm systems, automation systems, monitoring, access control, telecommunications and other devices requiring stable voltage backup. The sealed construction limits the risk of leakage, while automatic safety valves protect the casing against excessive pressure buildup.

AGM technology enables operation in various positions and resistance to vibration. The battery performs best in installations where it remains in standby mode and supplies energy mainly during a mains power failure. It is not primarily intended for intensive cyclic operation and regular deep discharge, typical of some photovoltaic, mobile and off-grid installations.

For proper operation, use a charger or regulator with settings compliant with the requirements of AGM batteries. Incorrect charging voltage or current, lack of process control, and long-term storage in a discharged state may lead to reduced capacity, damage and shortened battery service life.

## TECHNICAL SPECIFICATIONS

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| **Electrical specifications** | **Nominal voltage** | 12 V |
| | **Nominal capacity** | 120 Ah |
| | **Internal resistance (at 25°C)** | 3,52 mΩ |
| | **Maximum charging current** | 36 A |
| | **Maximum discharge current** | 1200 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)** | 406 x 173 x 209 mm (overall height 234 mm) |
| | **Net weight** | 33,30 kg ±3% |
| | **Individual package dimensions** | 41,5 x 18,0 x 26,6 cm |
| | **Individual package weight (gross)** | 33,8 kg |

## PRODUCT GALLERY






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