



AGM 12V 100Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUXAG100EAN
5903760240752CATEGORY
Maintenance-free batteries (AGM, GEL, LiFePO4)SUBCATEGORY
Maintenance-free batteries AGMPRODUCT PAGE
voltpolaska.pl/produkty/akumulator-agm-12v-100ah-vrla

ABOUT THE PRODUCT

The AGM 100Ah 12VDC VOLT POLSKA battery is a maintenance-free lead-acid battery designed primarily for standby operation and emergency power supply. AGM technology uses glass-fibre separators in which the electrolyte is immobilised, providing a sealed design without the need to replenish the electrolyte. Automatic safety valves reduce the risk of excessive pressure build-up.

The battery is suitable for UPS systems, boilers and central-heating pumps, alarm systems, automation systems, monitoring systems, access-control systems, telecommunications and other devices requiring stable voltage backup. It can operate in various positions, and its design provides resistance to vibration and technical operating conditions.

The model is intended mainly for standby operation. It is not the best choice for applications requiring regular, deep discharge cycles, such as intensive energy storage in off-grid photovoltaic systems, motorhomes, trailers, boats and similar systems.

For correct operation, use a charger or regulator with settings suitable for AGM batteries and avoid overcharging and regular deep discharging. During long-term storage, periodically check the voltage and, if necessary, recharge the battery in accordance with the manufacturer's recommendations.

TECHNICAL SPECIFICATIONS

Electrical specifications	Rated voltage	12 V
	Nominal capacity	100 Ah
	Internal resistance (at 25°C)	5,6 mΩ
	Maximum charging current	20 A (the recommended charging current is 0,1C, i.e. 10 A)
	Maximum discharge current	700 A (for 5 seconds)
	Maximum standby discharge current C20	5 A DC
	Design life (at 25°C)	3 - 5 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating Parameters and Charging	Charging voltage (at 25°C)	14,4 V DC (NORM) - 14,7 V DC (BOOST)
	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)	331 x 173 x 213 mm (total height 218 mm)
	Terminal type	M8
	Net weight	22 kg ±3%

PRODUCT GALLERY



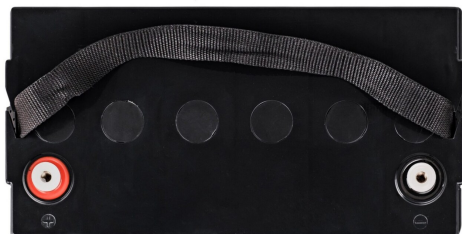
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PRODUCT GALLERY - CONTINUED

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