OPTI AGM 12V 120Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV120AG

EAN
5904100451609

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

SUBCATEGORY
Maintenance-free batteries AGM OPTI

PRODUCT PAGE
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ABOUT THE PRODUCT

OPTI 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 is suitable for UPS systems, central heating furnaces and pumps, alarm systems, automation, monitoring, access control and other devices requiring stable voltage backup. AGM technology uses glass-fibre separators in which the electrolyte is immobilised, eliminating the need for replenishment. The sealed construction reduces the risk of leakage, while safety valves protect the casing against excessive pressure build-up.

The battery can operate in various positions, facilitating installation in technical cabinets, device enclosures and locations with limited space. It is resistant to vibration and designed to power devices requiring continuous backup and temporarily higher power consumption.

It is not primarily intended for intensive cyclic operation involving regular deep discharge and recharging, particularly in off-grid photovoltaic systems, motorhomes, boats and other systems for daily energy storage. To preserve service life, use a charger or regulator with settings suitable for AGM batteries, avoid overcharging and deep discharge, and do not store the battery in a discharged state for a long period.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12 V
	Nominal capacity	120 Ah
	Internal resistance (at 25°C)	4,10 mΩ
	Maximum charging current	30 A (the recommended charging current is 0,1C, i.e. 12 A)
	Maximum discharge current	1000 A (for 5 seconds)
	Design service life (at 25°C)	5 - 8 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating and Charging Parameters	**Charging voltage (cyclic operation)**	14,4 V - 14,7 V DC
	Charging voltage (standby operation)	13,5 V - 13,8 V DC
	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)	407 x 172 x 208 mm (total height 233 mm) ±5%
	Net weight	30,4 kg ±5%
	Individual package dimensions	41,5 x 18 x 26,6 cm ±5%
	Individual package weight (gross)	30,9 kg ±5%

PRODUCT GALLERY



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