OPTI AGM 12V 90Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV090AG

EAN
5904100451517

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

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ABOUT THE PRODUCT

OPTI AGM 12V 90Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, designed primarily for standby operation and emergency power supply. The applied glass-fibre separators immobilise the electrolyte, while the sealed construction and automatic safety valves reduce the risk of leakage and excessive pressure increase.

The battery is suitable for UPS systems, central-heating furnaces and pumps, alarm systems, automation, monitoring, access control, telecommunications and other devices requiring stable voltage backup. It can operate in various positions, facilitating installation in technical cabinets, device enclosures and areas with limited space.

The model is intended mainly for standby operation, in which energy is delivered during a mains power failure. It is not recommended for intensive cyclic operation involving regular deep discharges, including in off-grid photovoltaic systems, motorhomes, boats and other systems for daily energy storage. Correct charging requires a charger or controller with settings suitable for AGM batteries.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	90 Ah
	Internal resistance (at 25°C)	7,2 mΩ
	Maximum charging current	21 A (the recommended charging current is 0,1C, i.e. 9 A)
	Maximum discharge current	700 A (for 5 seconds)
	Design life (at 25°C)	5 - 8 years

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 (discharging), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	260 x 169 x 209 mm (overall height 214 mm)
	Net weight	19,4 kg ±3%
	Individual package dimensions	27 x 18 x 24,7 cm
	Individual package weight (gross)	19,8 kg

PRODUCT GALLERY



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