OPTI AGM 12V 200Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV200AG

EAN
5904100451357

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

SUBCATEGORY
AGM OPTI maintenance-free batteries

PRODUCT PAGE
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ABOUT THE PRODUCT

OPTI AGM 12V 200Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery using AGM technology, intended primarily for standby operation and emergency power supply. Thanks to the use of glass-fibre separators, the immobilised electrolyte does not require replenishment, while automatic safety valves limit the risk of excessive pressure increase.

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

The OPTI AGM 12V 200Ah model is best suited to systems in which it remains on standby and supplies energy during a mains power failure. It is not intended for intensive cyclic operation involving regular deep discharging and charging; therefore, such applications should take into account a shorter service life and a possible reduction in available capacity under higher loads.

For correct and safe operation, use a charger or regulator with settings suitable for AGM batteries. Incorrect charging voltage or current, regular deep discharging and prolonged storage in a discharged state may reduce the battery capacity and shorten its service life.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12 V
	Nominal capacity	200 Ah
	Internal resistance (at 25°C)	3,9 mΩ
	Maximum charging current	40,5 A (the recommended charging current is 0,1C, i.e. 20 A)
	Maximum discharge current	1200 A (for 5 seconds)
	Design service 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 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 (discharging), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	522 x 238 x 220 mm (overall height 226 mm)
	Net weight	51,5 kg ±3%

PRODUCT GALLERY





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PRODUCT GALLERY - CONTINUED





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