OPTI AGM 12V 100Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV100AG

EAN
5903760240745

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-agm-opti-12v-100-ah-vrla...



ABOUT THE PRODUCT

OPTI battery AGM 12V 100Ah 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, while the applied glass-fibre separators reduce the risk of leakage. Automatic safety valves protect the enclosure against excessive pressure increase.

The model 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 also supply alarm control panels, recorders, routers, controllers, emergency lighting, gate automation systems and circulation pumps.

The battery is suitable for operation in various positions and resistant to vibration. It performs best in installations where it remains on standby and supplies energy mainly during a mains power failure. It is not intended primarily for intensive cyclic operation involving regular deep discharge and recharging; therefore, the battery type must be selected appropriately for such applications.

To maintain correct operation and service life, use a charger or regulator with settings suitable for AGM batteries, avoid overcharging and regular deep discharge. Long-term storage in a discharged state may shorten the battery’s service life.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	100 Ah
	Internal resistance (at 25°C)	5,4 mΩ
	Maximum charging current	27 A (the recommended charging current is 0,1C, i.e. 10 A)
	Maximum discharge current	720 A (for 5 seconds)
	Design 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 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)	331 x 173 x 213 mm (total height 218 mm)
	Net weight	24,6 kg ±3%
	Individual package dimensions	36,4 x 20,3 x 26,5 cm
	Individual package weight (gross)*	~ 25,5 - 26 kg

PRODUCT GALLERY



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