OPTI AGM 12V 33Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV033AG

EAN
5904100450367

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

SUBCATEGORY
OPTI AGM maintenance-free batteries

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-agm-opti-12v-33-ah-vrla-b...



ABOUT THE PRODUCT

OPTI AGM 12V 33Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology, primarily intended for standby operation and emergency power supply. The electrolyte is immobilised in glass-fibre separators, so the battery does not require electrolyte replenishment, while automatic safety valves reduce the risk of excessive pressure build-up.

The model is suitable for UPS systems, central-heating furnaces and pumps, alarm systems, automation systems, monitoring, access control and other devices requiring stable voltage backup. The design allows operation in various positions and provides resistance to vibration. The battery can also power selected portable devices, provided that the charging and discharging parameters are correctly selected.

AGM is best suited to installations in which it remains on standby and supplies energy during a power failure. It is not primarily intended for intensive cyclic operation involving regular deep discharging and charging; therefore, its service life may be shorter in such applications. A charger or regulator with settings suitable for AGM batteries must be used, and overcharging and prolonged storage in a discharged state must be avoided.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	33 Ah
	Internal resistance (at 25°C)	15 mΩ
	Maximum charging current	7,2 A (the recommended charging current is 0,1C, i.e. 3,3 A)
	Maximum discharging current	360 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 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)	166 x 175 x 127 mm (overall height 127 mm)
	Net weight	7,15 kg ±3%
	Individual package dimensions	18,5 x 17,3 x 14,3 cm
	Individual package weight (gross)	7,7 kg

PRODUCT GALLERY



VOLT POLSKA Sp. z o.o.

ul. Świemirowska 3, 81-877 Sopot
NIP 5851458032 | REGON 221142660
KRS 0000372066

voltpolska.pl
(58) 500-85-62
hurt@voltpolska.pl
pomoc@voltpolska.pl

This datasheet was generated automatically; technical data and images are for reference only and may change without notice. To the extent permitted by law, VOLT POLSKA accepts no liability for any errors or inaccuracies in this datasheet.