OPTI AGM 12V 65Ah MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUV065AG

EAN
5904100450374

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

SUBCATEGORY
AGM OPTI maintenance-free batteries

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ABOUT THE PRODUCT

OPTI AGM 12V 65Ah MAINTENANCE-FREE BATTERY is a sealed lead-acid battery manufactured using AGM technology. It is primarily intended for standby operation and emergency power supply in systems where it remains in standby mode and supplies energy during a mains power failure.

AGM technology uses separators made of glass fibre in which the electrolyte is immobilised. The sealed construction reduces the risk of leakage, requires no electrolyte replenishment and allows operation in various positions. Automatic safety valves protect the casing against excessive pressure build-up.

The battery is used in UPS installations, central heating boilers and pumps, alarm systems, automation systems, monitoring systems, access control systems, telecommunications and other devices requiring stable voltage backup. It may also be used in selected mobile devices, provided that the charging and discharging parameters are correctly selected.

The model is not intended for intensive cyclic operation with regular deep discharging, including in off-grid photovoltaic systems, motorhomes, boats and other energy storage systems. To maintain service life, use a charger or controller with settings compliant with the requirements of AGM batteries and avoid prolonged storage in a discharged state.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	65 Ah
	Internal resistance (at 25°C)	7,2 mΩ
	Maximum charging current	19,5 A (the recommended charging current is 0,1C, i.e. 6,5 A)
	Maximum discharge current	650 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 (discharge), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	347 x 167 x 176 mm (total height 176 mm)
	Net weight	18,4 kg ±3%
	Unit package dimensions	36 x 17,4 x 20,5 cm
	Unit package weight (gross)	~ 19,5 kg

PRODUCT GALLERY





PRODUCT GALLERY - CONTINUED









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

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