AGM SECURITY 12V 45Ah VRLA MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUYSE045

EAN
5904100454273

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

SUBCATEGORY
AGM LONG LIFE maintenance-free batteries

PRODUCT PAGE
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ABOUT THE PRODUCT

AGM SECURITY 12V 45Ah VRLA (model SP12-45Ah, index 6AKUYSE045) is a maintenance-free lead-acid battery manufactured using AGM technology. It is primarily intended for standby operation and emergency power supply systems. The electrolyte immobilized in separators made of glass-fibre mat and the VRLA design with internal gas recombination eliminate the need for replenishment and replacement.

The battery has a leak-proof ABS plastic housing and self-regulating EPDM safety valves. The reinforced Heavy Duty Grid limits active-material shedding and increases the plates' resistance to corrosion. The product can operate in various positions, except when completely inverted with the terminals facing downward.

The model is used in UPS power supplies, industrial and domestic automation, alarm and fire protection systems, CCTV monitoring, access control, communication and telecommunications equipment, and selected medical, marine and mobile equipment. Standard AGM technology is intended mainly for standby operation; in cyclic applications, the number of cycles depends on the depth of discharge.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	45 Ah
	Internal resistance (at 25°C)	9 mΩ±15%
	Maximum charging current	12 A
	Maximum discharge current	400 A (for 5 seconds)
	Design life (at 25°C)	10 years
Operating and Charging Parameters	**Charging voltage (at 25°C)**	14,5 V - 15,0 V
	Effect of temperature on capacity	102% (at 40°C), 100% (at 25°C), 85% (at 0°C), 65% (at -15°C)

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TECHNICAL SPECIFICATIONS - CONTINUED

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
	Terminal/connector type	T14
	Dimensions (Length x Width x Height)	197 x 165 x 170 mm (total height 170 mm)
	Net weight	13,2 kg ±3%

PRODUCT GALLERY



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