AGM SECURITY PREMIUM 12V 18Ah VRLA MAINTENANCE-FREE BATTERY

REGULAR RANGE

PRODUCT CODE
6AKUYSEP18

EAN
5904100454211

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

SUBCATEGORY
AGM LONG LIFE maintenance-free batteries

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ABOUT THE PRODUCT

AGM SECURITY PREMIUM 12V 18Ah VRLA MAINTENANCE-FREE BATTERY (model SP12-18Ah) is a sealed VRLA lead-acid battery manufactured using AGM technology, intended primarily for standby operation and backup power systems. The electrolyte is immobilised in separators made of glass-fibre mat, and the construction uses multicomponent lead-calcium alloys.

The battery is completely maintenance-free, equipped with self-regulating safety valves and a sealed enclosure that limits the risk of electrolyte leakage. The reinforced Heavy Duty Grid increases the plates' resistance to corrosion and active-mass shedding. The product can operate in various positions, except with the terminals facing downwards. The design life is 5 years in standby operation at a temperature of 25°C.

The model is used in UPS power supplies, alarm systems, fire protection systems, CCTV monitoring, access control, automation, telecommunications systems, medical equipment, marine equipment, power tools, and electric toy vehicles and wheelchairs.

Standard AGM technology is intended mainly for standby operation. In W cyclic applications, the number of cycles depends on the depth of discharge: up to approx. 900–1000 cycles at 30% DOD, approx. 400 cycles at 50% DOD, and approx. 200 cycles at 100% DOD. The battery complies with IEC, BS, JIS and Eurobat standards and has CE and UL certificates (MH62092).

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	18 Ah
	Internal resistance (at 25°C)	15 mΩ±15%
	Maximum charging current	5,4 A
	Maximum discharge current	270 A (for 5 seconds)
	Design life (at 25°C)	5 years

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TECHNICAL SPECIFICATIONS - CONTINUED

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)
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	T3/T12
	Dimensions (Length x Width x Height)	181 x 77 x 167 mm (total height 167 mm)
	Net weight	5,2 kg ±3%

PRODUCT GALLERY



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