VPRO SOLAR DEEP CYCLE 12V 140Ah MAINTENANCE-FREE BATTERY

DISCONTINUED

PRODUCT CODE
6AKXDEEP14

EAN
5903760240851

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

SUBCATEGORY
Maintenance-free AGM DEEP CYCLE batteries

PRODUCT PAGE
voltpolska.pl/produkty/akumulator-deep-cycle-vpro-solar-12v...



ABOUT THE PRODUCT

VPRO SOLAR DEEP CYCLE 12V 140Ah MAINTENANCE-FREE BATTERY is a battery designed for cyclic operation and deep discharge. It is used, among other applications, in solar and wind energy systems, backup power supplies, UPS power supplies, communication and telecommunications equipment, wheelchairs, power tools, golf carts, Buggy vehicles and medical equipment. W marine equipment, it may be used with a hermetic enclosure.

The reinforced construction with lead plates, high-density active materials and stronger electrolyte supports cyclic operation and recovery after deep discharge. An automatic sealing system with pressure valves enables safe gas discharge if the pressure inside the battery becomes too high. The housing is made of ABS-type material, and the cells are made of copper.

The battery is maintenance-free and does not require electrolyte replenishment or replacement. It does not cause electrolyte leakage, and its construction provides resistance to mechanical damage and high temperatures. The design service life is 8-10 years at a temperature of 25°C.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	140 Ah
	Internal resistance (at 25°C)	3,9 mΩ
	Capacity at discharge (25°C)	140 Ah (20h), 126 Ah (10h), 90 Ah (3h), 72 Ah (1h)
	Maximum charging current	35 A
	Maximum discharge current	1200 A (for 5 seconds)
	Design service life (at 25°C)	8-10 years

TECHNICAL SPECIFICATIONS - CONTINUED

Operating Parameters and Charging	**Charging voltage (at 25°C)**	14,4 V - 15,0 V (standby: 13,5 V - 13,8 V)
	Self-discharge (at 25°C)	Remains 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)	407 x 172 x 233 mm (overall height 233 mm)
	Net weight	33,5 kg ±3%

PRODUCT GALLERY





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