VPRO SOLAR DEEP CYCLE 12V 110Ah MAINTENANCE-FREE BATTERY

DISCONTINUED

PRODUCT CODE
6AKXDEEP10

EAN
5903760240776

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 110Ah MAINTENANCE-FREE BATTERY is designed for cyclic operation and deep discharge. It is suitable for, among other applications, solar and wind energy systems, emergency power supply systems, UPS power supplies, communication and telecommunications equipment, wheelchairs, power tools, golf carts, Buggy all-terrain vehicles and medical equipment. W marine equipment, it can be used with a sealed battery enclosure.

The reinforced construction with lead plates, high-density active materials and stronger electrolyte enables cyclic operation and good recovery after deep discharge. The enclosure is made of ABS material, and the cells are made of copper.

The battery is equipped with an automatic sealing system with pressure valves. W in the event of excessive pressure, the valves open, safely venting gas outside the enclosure and protecting it from damage. The design does not require electrolyte replenishment or replacement, reduces the risk of electrolyte leakage and provides resistance to mechanical damage and high temperatures.

The battery's designed service life is 8-10 years at a temperature of 25°C. The nominal voltage is 12 V, and the nominal capacity is 110 Ah. The product has a maximum charging current of 30 A and a maximum discharge current of 1000 A for 5 seconds.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	110 Ah
	Internal resistance (at 25°C)	4,5 mΩ
	Capacity at discharge (25°C)	110 Ah (10h), 80 Ah (5h), 75 Ah (3h), 60 Ah (1h)
	Maximum charging current	30 A
	Maximum discharge current	1000 A (for 5 seconds)
	Designed service life (at 25°C)	8-10 years

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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 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)	331 x 173 x 213 mm (overall height 218 mm)
	Net weight	28,6 kg ±3%

PRODUCT GALLERY





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