VPRO SOLAR DEEP CYCLE 12V 220Ah MAINTENANCE-FREE BATTERY

DISCONTINUED

PRODUCT CODE
6AKXDEEP20

EAN
5903760240783

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

SUBCATEGORY
Maintenance-free AGM DEEP CYCLE batteries

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ABOUT THE PRODUCT

VPRO SOLAR DEEP CYCLE 12V 220Ah MAINTENANCE-FREE BATTERY is a battery from the DEEP CYCLE series, designed for cyclic operation and deep discharge. It is used, among other applications, in solar and wind energy systems, backup power systems, UPS power supplies, communication and telecommunications equipment, wheelchairs, power tools, golf carts, Buggy off-road vehicles and medical equipment. W marine equipment may be used with a sealed battery enclosure.

The reinforced construction with lead plates, high-density active materials and stronger electrolyte supports cyclic operation and recovery after deep discharge. The enclosure 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.

The automatic sealing system used incorporates pressure valves that open when the pressure is too high, allowing gas to be safely vented outside the enclosure and reducing the risk of damage. The construction ensures no electrolyte leakage and resistance to mechanical damage and high temperatures. The design service life is 8-10 years at 25°C.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated voltage**	12 V
	Nominal capacity	220 Ah
	Internal resistance (at 25°C)	2,7 mΩ
	Capacity at discharge (25°C)	220 Ah (10h), 160 Ah (5h), 150 Ah (3h), 120 Ah (1h)
	Maximum charging current	60 A
	Maximum discharge current	1400 A (for 5 seconds)
	Design service life (at 25°C)	8-10 years

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TECHNICAL SPECIFICATIONS - CONTINUED

Operating and Charging Parameters	**Charging voltage (at 25°C)**	14,4 V - 15,0 V (float: 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 (discharge), -10°C to +50°C (charging)
	Storage temperature range	-20°C to +50°C
	Dimensions (Length x Width x Height)	522 x 238 x 220 mm (overall height 226 mm)
	Net weight	57 kg ±3%
	Unit packaging dimensions	53,0 x 25,0 x 27,7 cm
	Unit packaging weight (gross)	57,5 kg

PRODUCT GALLERY





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