GEL ULTRA SOLAR 12V 140Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS]

REGULAR RANGE

PRODUCT CODE
6AKUGEL140

EAN
5904100450442

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

SUBCATEGORY
GEL VPRO PREMIUM maintenance-free batteries (gel)

PRODUCT PAGE
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ABOUT THE PRODUCT

The GEL ULTRA SOLAR 12V 140Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS] is designed for standby and cyclic operation, including operation with deep discharges. It is used, among other applications, in photovoltaic systems, UPS power supplies, inverters, telecommunications, alarm, fire protection and emergency lighting systems, as well as in electric, mobility, garden and water vehicles.

The gelled electrolyte provides greater resistance to leakage than in AGM batteries and enables operation under conditions involving exposure to shocks and charging from pulsed sources, such as solar charge controllers. The battery is maintenance-free and does not require electrolyte replenishment or replacement.

The model is equipped with an automatic sealing system with pressure valves that discharge excess gas if the pressure inside the housing becomes too high. The housing is made of ABS-type material, and the cells are made of copper. The design service life is up to 12 years in standby operation 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 10,5V), 126 Ah (10h 10,5V), 90 Ah (3h 10,2V), 72 Ah (1h 9,6V)
	Minimum safe discharge voltage	10,5 V - 10,8 V
	Recommended charging current	12 A
	Maximum charging current	24 A
	Maximum discharge current	1200 A (for 5 seconds)
	Design service life (at 25°C)	12 years
Operating and Charging Parameters	**FLOAT charging voltage (25°C)**	13,5 V - 13,8 V
	NORMAL charging voltage (25°C)	13,5 V - 13,8 V
	BOOST charging voltage (25°C)	14,5 V - 14,7 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 (total height 233 mm)
	Net weight	33,5 kg ±3%
	Individual packaging dimensions	41,5 x 18,0 x 26,6 cm
	Individual packaging weight (gross)	34 kg

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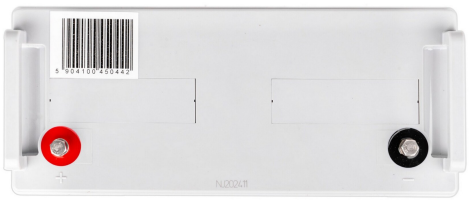
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PRODUCT GALLERY









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