GEL ULTRA SOLAR 12V 220Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS]

REGULAR RANGE

PRODUCT CODE
6AKUGEL220

EAN
5903760240691

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

SUBCATEGORY
GEL ULTRA SOLAR maintenance-free batteries (gel)

PRODUCT PAGE
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ABOUT THE PRODUCT

The GEL ULTRA SOLAR 12V 220Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS] is designed for standby and cyclic operation, including deep discharges. It is used, among other applications, in photovoltaic systems, UPS power supplies, inverters, telecommunications, alarm and emergency lighting systems, as well as electric, mobile and garden vehicles.

The gelled electrolyte increases resistance to leakage compared with AGM batteries and enables operation in equipment exposed to shocks and charging from pulsed sources such as solar controllers. The battery is maintenance-free and requires neither electrolyte replenishment nor replacement. Low self-discharge and a design service life of up to 12 years in standby operation at a temperature of 25 °C enable long-term use.

The automatic sealing system used is equipped with pressure valves that discharge gas outside the enclosure in the event of excessive pressure buildup. The enclosure is made of ABS material, and the cells are made of copper.

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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 10,8V), 160 Ah (5h 10,5V), 141 Ah (3h 10,8V), 120 Ah (1h 9,6V)
	Min. safe discharge voltage	10,5 V - 10,8 V
	Recommended charging current	20 A
	Maximum charging current	40 A
	Maximum discharge current	1400 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 (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%
	Individual package dimensions	53,0 x 25,0 x 27,7 cm
	Individual package weight (gross)	57,5 kg

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PRODUCT GALLERY









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