GEL ULTRA SOLAR 12V 160Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS]

REGULAR RANGE



PRODUCT CODE
6AKUGEL160

EAN
5903760240684

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

SUBCATEGORY
GEL VPRO PREMIUM maintenance-free batteries (gel)

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ABOUT THE PRODUCT

The GEL ULTRA SOLAR 12V 160Ah MAINTENANCE-FREE BATTERY [DEEP CYCLE, FOR CYCLIC OPERATION, PHOTOVOLTAICS, UPS] is intended for standby and cyclic operation, including deep discharges. It is used, among other applications, in photovoltaic installations, UPS systems, telecommunications systems, alarm systems, emergency lighting, and electric and mobile vehicles.

The gelled electrolyte provides greater resistance to leakage than in AGM batteries and enables operation in conditions exposed to shocks and charging from pulse sources, such as solar 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 in the event of excessive pressure inside the casing. The casing is made of ABS material, and the cells are made of copper. The designed service life under standby operation at a temperature of 25 °C reaches 12 years.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Nominal voltage**	12 V
	Nominal capacity	160 Ah
	Internal resistance (at 25°C)	3,5 mΩ
	Capacity at discharge (25°C)	160 Ah (10h 10,8V), 117 Ah (5h 10,8V), 107,1 Ah (3h 10,8V), 90 Ah (1h 9,6V)
	Min. safe discharge voltage	10,5 V - 10,8 V
	Recommended charging current	15 A
	Maximum charging current	30 A
	Maximum discharge current	1200 A (for 5 seconds)
	Designed 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)	483 x 170 x 241 mm (total height 247 mm)
	Net weight	43,3 kg ±3%
	Individual package dimensions	49,2 x 18,0 x 26,7 cm
	Individual package weight (gross)	43,8 kg

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PRODUCT GALLERY





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