

# MAINTENANCE-FREE BATTERY VRLA AGM OPTI 120Ah 12V

INDEKS: 6AKUV120AG

EAN: 5904100451609

The construction of **VRLA AGM OPTI** batteries (Absorbing Glass Matt) by VOLT Polski is based on glass mat separators soaked in electrolyte.

**VRLA (Valve Regulated Lead Acid)** means that the batteries use the technology of self-regulating safety valves and internal gas recombination reaction. Thanks to the valves the construction of batteries is non-spillable and protected against the leak of electrolyte outside. Internal technology recombination of gases eliminates the need of replenishing the electrolyte. The batteries are safe and can operate in closed offices, houses. **They have a long life and low self-discharge design.**

**VRLA AGM OPTI** batteries can be used in: emergency power system, alarm systems, telecommunication systems, uninterrupted power supplies, marine and medical equipment.

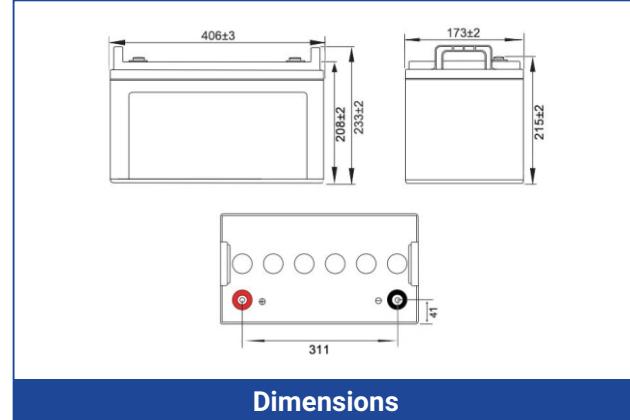
## IMPORTANT!

Using maintenance-free AGM batteries (e.g. AGM, AGM OPTI, AGM VPRO series) to work in photovoltaic installations (cyclic use) may result in a faster loss of battery efficiency and capacity. Such batteries are designed to float use (e.g. emergency power supply systems).

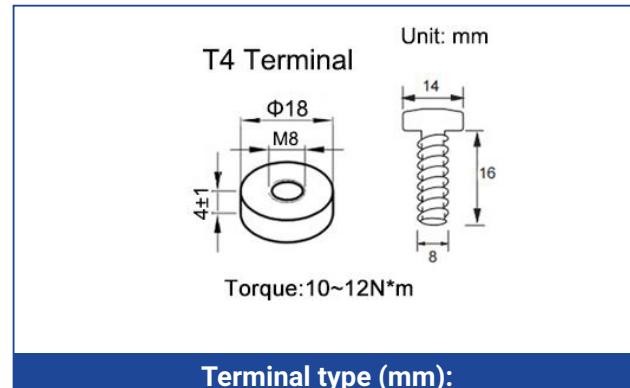
The same as in the case of other types of batteries, **inappropriate charging current may result in damage of the battery and loss of warranty for the battery.**

## Main technical data:

Nominal voltage	12V
Nominal capacity	120Ah
Innernal Resistance (25°C)	4,10mΩ
Capacity (40°C)	102%
Capacity (25°C)	100%
Capacity (0°C)	85%
Capacity (-15°C)	65%
Self discharge (25°C) 3months	91%
Self discharge (25°C) 6months	82%
Self discharge (25°C) 12months	64%
Working temperature	25°C±3°C
Working temperature - discharge	(-15 to 50)°C
Working temperature - charge	(-10 to 50)°C
Working temperature - storage	(-20 to 50)°C
Charge voltage (25°C)	14,4VDC(NORM) -14,7VDC(BOOST)
Max charge current	30A
Max discharge current	1000A (per 5 sekund)
Design life (25°C)	5-8years
Total height	233mm±5%
Height	208mm±5%
Width	172mm±5%
Length	407mm±5%
Weight	30,4kg±5%
Gross dimensions	41,5x18x26,6cm±5%
Gross weight	30,9kg±5%



Dimensions



Terminal type (mm):