

# MAINTENANCE-FREE BATTERY VRLA AGM VPRO 4V 6Ah

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

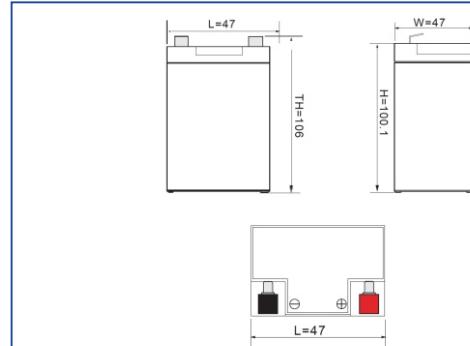
## IMPORTANT!

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	4V
Nominal capacity	6Ah
Internal Resistance (25°C)	98mΩ
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)	4,8V
Max charge current	1,50A
Max discharge current	75A (5 seconds)
Design life (25°C)	8-10 years
Total height	107mm
Height	101mm
Width	47mm
Length	47mm
Weight	0,51kg±3%
Gross dimensions	295x245x132mm
Gross weight	1,01kg
Multipack dimensions	1100x780x150mm
Multipack weight	864kg



Dimensions



Terminal type (mm):