

# MAINTENANCE-FREE BATTERY VRLA AGM

## VPRO 6V 15Ah

INDEKS: 6AKAAGM615

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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.

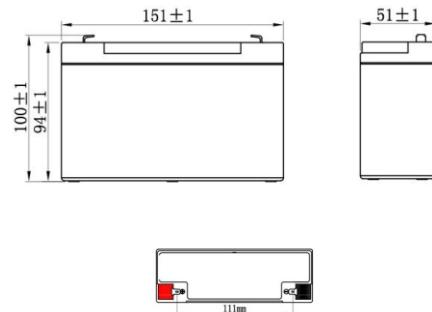
### IMPORTANT!

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).

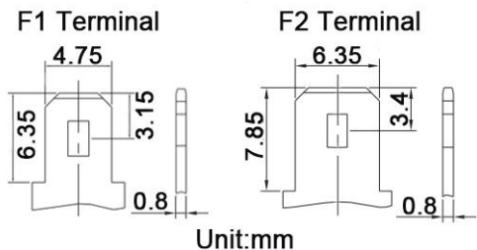
The same as in the case of other types of batteries, **inappropriate charging current may result in damage of the battery and loss of warranty for the battery.**

### Main technical data:

Nominal voltage	6V
Nominal capacity	15Ah
Internal Resistance (25°C)	8.32mΩ
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)	7,20V - 7,50V
Max charge current	3.6A
Max discharge current	180A (for 5 seconds)
Design life (25°C)	3-5years
Total height	100mm
Height	94mm
Width	51mm
Length	151mm
Weight	1,67kg±5%
Gross dimensions	315x262x124mm
Gross weight	2,17kg
Multipack dimensions	1100x780x150mm
Multipack weight	915kg



Dimensions



Terminal type (mm):