

# MAINTENANCE-FREE BATTERY VRLA AGM

## VPRO 12V 100Ah

INDEKS: 6AKUAGM100  
EAN: 5903760240639

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, uninterruptible power supplies, marine and medical equipment.

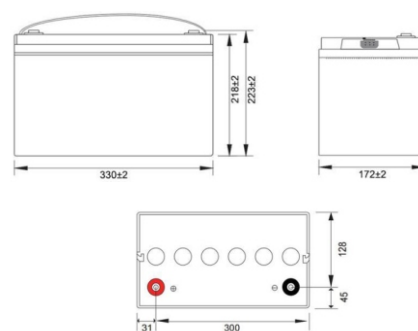
### IMPORTANT!

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).

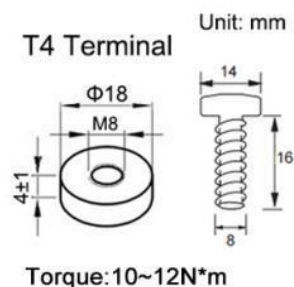
The same as in the case of other types of batteries, **inappropriate charging current may result in damage of the battery and loss of warranty for the battery**.

### Main technical data:

Nominal voltage	12V
Nominal capacity	100Ah
Internal Resistance (25°C)	3,85mΩ
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)	14,4V-15,0V
Max charge current	27A
Max discharge current	900A (for 5 seconds)
Design life (25°C)	8-10 years
Total height	223mm
Height	218mm
Width	172mm
Length	330mm
Weight	26kg±3%
Gross dimensions	345x182x275mm
Gross weight	26,6kg
Multipack dimensions	1100x780x150mm
Multipack weight	1,39,2kg



Dimensions



Terminal type (mm):