

# MAINTENANCE-FREE BATTERY VRLA AGM

## VPRO 12V 18Ah

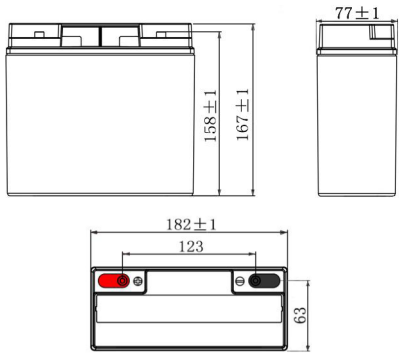
INDEKS: 6AKUAGM018  
EAN: 5903760240547

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.

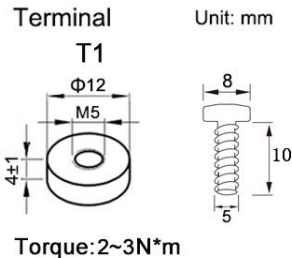
**IMPORTANT!**  
Using maintenance-free **AGM batteries (e.g. AGM, AGM OPTI, AGM VPRO series) to work in photovoltaic installations (cyclic use) may result in a faster loss of battery efficiency and capacity**. Such batteries are **designed to float use (e.g. emergency power supply systems)**.  
The 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	18Ah
Innternal Resistance (25°C)	22,6mΩ
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	4,5A
Max discharge current	225A (per 5 seconds)
Design life (25°C)	3-5years
Total height	167mm
Height	167mm
Width	77mm
Length	181mm
Weight	4,40kg±3%
Gross dimensions	191x84x186mm
Gross weight	4,9kg
Multipack dimensions	1100x780x150mm
Multipack weight	1041,6kg



Dimensions



Torque: 2~3N\*m

Terminal type (mm):