

# MAINTENANCE-FREE BATTERY VRLA AGM

## VPRO 12V 20Ah

INDEKS: 6AKUAGM020

EAN: 5904100450800

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.

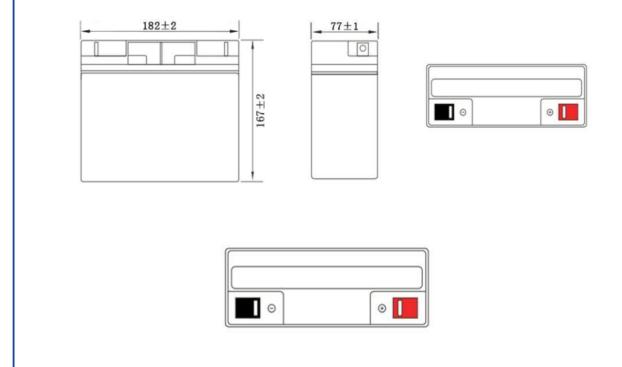
### IMPORTANT!

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).

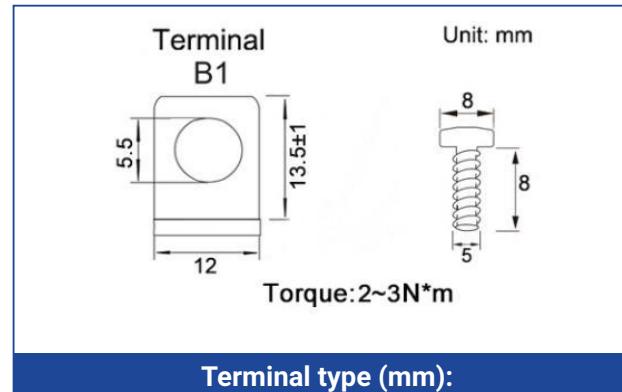
The same as in the case of other types of batteries, **inappropriate charging current may result in damage of the battery and loss of warranty for the battery.**

### Main technical data:

|                                 |                      |
|---------------------------------|----------------------|
| Nominal voltage                 | 12V                  |
| Nominal capacity                | 20Ah                 |
| Internal Resistance (25°C)      | 13mΩ                 |
| 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              | 5,4A                 |
| Max discharge current           | 270A (per 5 seconds) |
| Design life (25°C)              | 3-5years             |
| Total height                    | 167mm                |
| Height                          | 167mm                |
| Width                           | 77mm                 |
| Length                          | 181mm                |
| Weight                          | 5,03kg±3%            |
| Gross dimensions                | 325x188x185mm        |
| Gross weight                    | 5,53kg               |
| Multipack dimensions            | 1100x780x150mm       |
| Multipack weight                | 1142,4kg             |



### Dimensions



### Terminal type (mm):