

MAINTENANCE-FREE BATTERY VRLA AGM

VPRO 12V 20Ah

INDEKS: 6AKUAGM020
EAN: 5904100450800

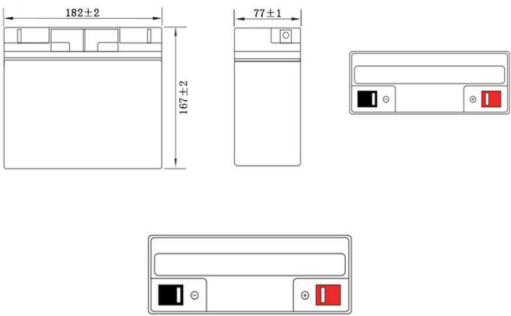
The construction of **VRLA AGM VPRO batteries (Absorbing Glass Matt)** by VOLT Polski is based on **glass mat separators soaked in electrolyte**. **VRLA (Valve Regulated Lead Acid)** means that the batteries use the **technology of self-regulating safety valves and internal gas recombination reaction**. 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, uninterruptible power supplies, marine and medical equipment.

IMPORTANT!

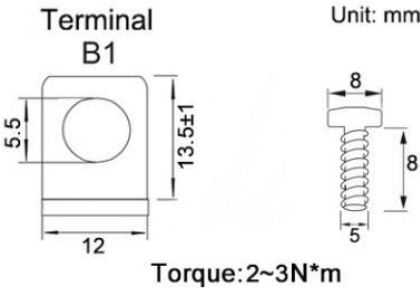
Using maintenance-free **AGM batteries (e.g. AGM, AGM OPTI, AGM VPRO series)** to work in photovoltaic installations (cyclic use) may result in a **faster loss of battery efficiency and capacity**. Such batteries are **designed to float use (e.g. emergency power supply systems)**. The same as in the 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 | 20Ah |
| Innternal 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):