

# MAINTENANCE-FREE BATTERY VRLA DEEP CYCLE

## VPRO SOLAR 160Ah 12V

**INDEKS: 6AKXDEEP16**  
**EAN: 5904100450381**

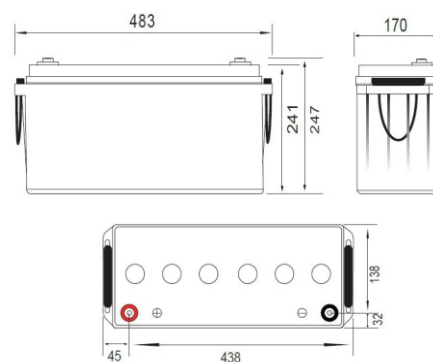
**DEEP CYCLE batteries** by **VOLT POLSKA** are superior deep cycle design with thick plates, high-density active materials and slightly stronger electrolyte, which can withstand repeated deep cyclic applications. **The general features are:** safety sealing, non-spillable construction, high power density, excellent recovery from deep discharge, thick plates and high active materials, longer life and low self-discharge design. **DEEP CYCLE batteries** have 8-10 years design life at 25°C. They can be applied in solar and wind power system, emergency power system, communication equipment, telecommunication systems, marine equipment, uninterruptible power supplies, medical equipment, fire and security system.

### Main technical data:

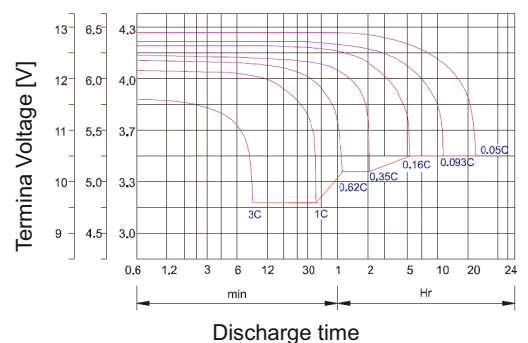
|                  |              |                          |
|------------------|--------------|--------------------------|
| Nominal voltage  |              | 12V                      |
| Rated capacity   |              | 160 Ah                   |
| Dimension        | total height | 247 mm                   |
|                  | height       | 241 mm                   |
|                  | width        | 170 mm                   |
|                  | length       | 483 mm                   |
| Approx Weight    |              | 43.3kg (95.04lbs) +/- 3% |
| Gross dimensions |              | 49,2x18x26,7mm           |
| Gross weight     |              | 43,8kg                   |

### Other specification:

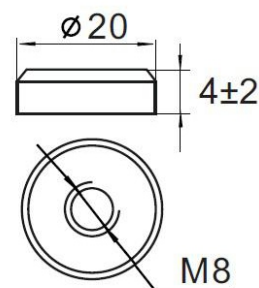
|                                        |             |               |
|----------------------------------------|-------------|---------------|
| Capacity<br>(at 25°C)                  | 20h (10,5V) | 160 Ah        |
|                                        | 10h (10,5V) | 150 Ah        |
|                                        | 3h (10,2V)  | 112,5 Ah      |
|                                        | 1h (9,6V)   | 90 Ah         |
| Internal Resistance                    |             | ~ 3mΩ         |
| Capacity<br>affected<br>by temperature | 40°C        | 102%          |
|                                        | 25°C        | 100%          |
|                                        | 0°C         | 85%           |
|                                        | -15°C       | 65%           |
| Self discharge<br>(at 25°C)            | 3 months    | 91%           |
|                                        | 6 months    | 82%           |
|                                        | 12 months   | 65%           |
| Working temperature                    |             | 25°C +/- 3°C  |
| Working<br>temperature                 | Discharge   | -15°C to 50°C |
|                                        | Charge      | -10°C to 50°C |
|                                        | Storage     | -20°C to 50°C |
| Float Use (25°C)                       | 13,5 VDC    | 13,8 VDC      |
| Cycle Use (25°C)                       | 14,4 VDC    | 14,7 VDC      |
| Max charging current                   |             | 45 A          |
| Max discharge current                  |             | 1200 A (5 s)  |
| Design life (25°C)                     |             | 8-10 years    |



Dimension



Discharge characteristic curve at 25°C



Terminal type (mm):