



## VRLA Battery **SPB 12-100**

### Specifications

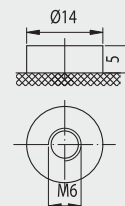
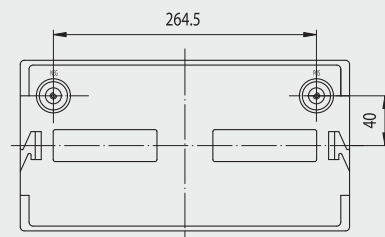
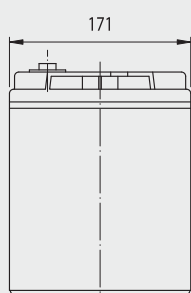
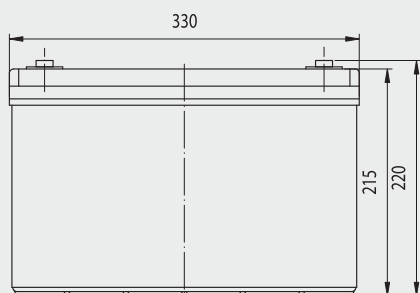
**Nominal Voltage** 12 V

| Rated Capacity<br>(25 °C) | 20hr Rate (1,80V/cell) | 10hr Rate (1,80V/cell) | 5hr Rate (1,70V/cell) | 1hr Rate (1,60V/cell) |        |
|---------------------------|------------------------|------------------------|-----------------------|-----------------------|--------|
|                           | 106 Ah                 | 100 Ah                 | 89 Ah                 | 63 Ah                 |        |
| Dimensions (mm)           | Length                 | Width                  | Height                | Overall Height        | Weight |
| & Weight (kg)             | 330mm                  | 171mm                  | 215mm                 | 220mm                 | 32 kg  |

**Number / Type of Terminals** 2 / M6

### Technical Characteristics

|                                                   |                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------|
| <b>Design Life at 20°C</b>                        | 10-12 years                                                             |
| <b>Eurobat Classification</b>                     | High Performance                                                        |
| <b>Internal Resistance (Fully charged - 25°C)</b> | 5 mΩ                                                                    |
| <b>Short-circuit current</b>                      | 2100 A                                                                  |
| <b>Max Charging Current</b>                       | 30 A                                                                    |
| <b>Min safe end Discharge Voltage</b>             | 1,60 V/cell                                                             |
| <b>Self discharge per month at 20°C</b>           | 3%                                                                      |
| <b>Recommended Charging Voltage at 20°C</b>       | Stand-by use (V/cell): 2,25 to 2,30<br>Cycle use (V/cell): 2,40 to 2,50 |
| <b>Container Material</b>                         | ABS-UL94 HB                                                             |
| <b>Electrolyte Type</b>                           | Sulfuric Acid                                                           |
| <b>Type of plates / Alloy</b>                     | Flat plates / Lead-Calcium-Tin alloy                                    |
| <b>Type of Separator</b>                          | Absorbant Glass Mat                                                     |
| <b>Valve Type / Operational Pressure</b>          | Rubber / 1-3 psi (70-200 mbar)                                          |
| <b>Operating Temperature Range</b>                | -20 to + 50 °C                                                          |
| <b>Storage time at 20°C</b>                       | 9 months                                                                |



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