

# VRLA Battery **SPB 12-33**

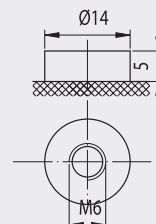
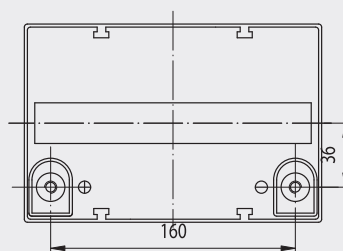
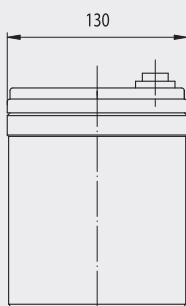
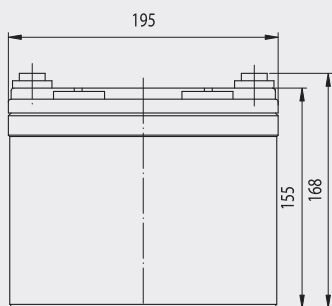
## Specifications

**Nominal Voltage** 12 V

Rated Capacity (25 °C)	20hr Rate (1,80V/cell)	10hr Rate (1,80V/cell)	5hr Rate (1,70V/cell)	1hr Rate (1,60V/cell)	
	34 Ah	33 Ah	32 Ah	21 Ah	
Dimensions (mm) & Weight (kg)	Length	Width	Height	Overall Height	Weight
	195mm	130mm	155mm	168mm	10,20 kg
<b>Number / Type of Terminals</b>	<b>2 / M6</b>				

## 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>	10 mΩ
<b>Short-circuit current</b>	850 A
<b>Max Charging Current</b>	9,9 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 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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