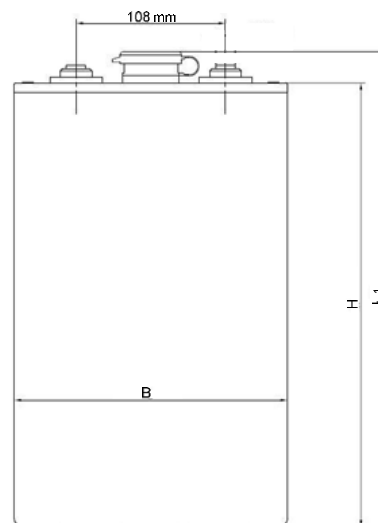
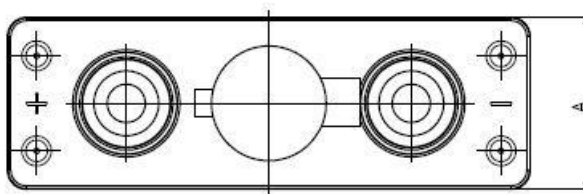


<b>Cell type (DIN)</b>	<b>5JPOPzS442</b>	<b>Cell type (JP)</b>	<b>5TO442</b>
		<b>Product code</b>	361 4TO 442 030

<b>Specification</b>	
<b>Nominal voltage</b>	2 V
<b>Capacity at 20°C</b>	442 Ah 10hr to 1,8 V/cell
<b>Charge condition</b>	Wet
<b>Weight without acid</b>	19,6 kg ± 5%
<b>Weight with acid</b>	22,6 kg ± 5%
<i>Dimensions (see on drawing)</i>	
<b>Width (A)</b>	119 ± 2 mm
<b>Length (B)</b>	198 ± 2 mm
<b>Height (H)</b>	475 - 2 mm
<b>Total height (H<sub>1</sub>)</b>	495 - 2 mm
<b>Container material</b>	PP
<b>Box color</b>	Translucent
<b>Lid color</b>	Green
<b>Terminal pole type</b>	Bolt-on
<b>Bolt size</b>	M10
<b>Electrolyte spec density at 30°C</b>	1.24 ± 0.01 g/cm <sup>3</sup>
<b>Cell properties</b>	
<b>Number of + plates</b>	5
<b>Number of - plates</b>	6

<b>Characteristics</b>	
<b>Rated cap. 20°C</b>	442Ah/44,2A (10h, 1.80V/cell)
<b>Rated cap. 25°C</b>	575Ah/5,75A (100h, 1.85V/cell)
<b>Operating temp. range</b>	Charge, discharge: 15 – 35°C Storage: 5 – 40°C
<b>Cycle life</b>	2000 cycles for 60% DoD at 20°C
<b>Design life</b>	up to 15 years (stand-by float)
<b>Charging</b>	IU – characteristic - I <sub>max</sub> without limitation Float voltage - U=2,23V/cell ± 1% Boost charge - U=2,35 to 2,40V/cell
<b>Capacity affected by temperature</b>	105% at 35°C 100% at 20°C 88% at 0°C
<b>Self discharge</b>	Less than 3% C5 per month at 20°C
<b>Storage time</b>	Max. 3 months at 20°C Max. 2 months at 30 °C Max. 1 month at 40°C
<b>Construction</b>	<ul style="list-style-type: none"> <li>• Tubular positive plate with low antimony alloy</li> <li>• Flat negative plates with long life expanders</li> <li>• Microporous separator 3,3 mm</li> <li>• Pole sealing: rubber seal</li> <li>• Pole screw: M10, insulated</li> <li>• Connector: flexible insulated copper cable</li> </ul>



# Performance Curves

