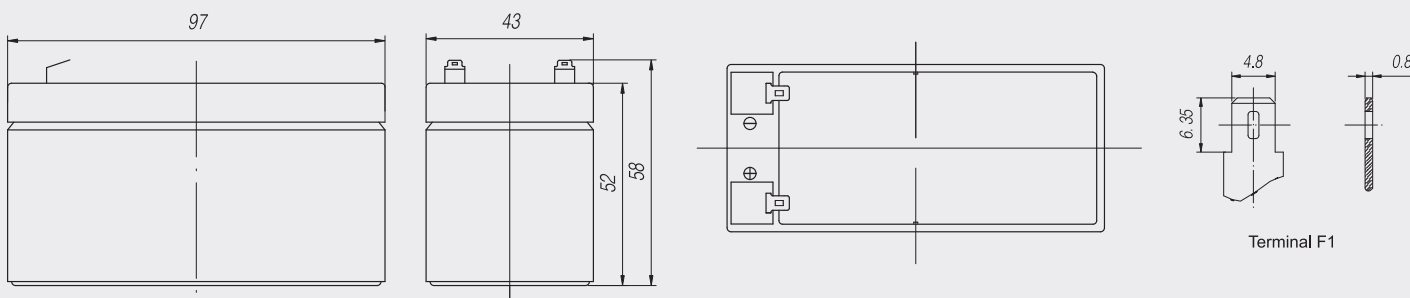


# VRLA Battery **SPA 12-1.3**

<b>Specifications</b>	<b>Nominal Voltage</b>	<b>12 V</b>				
	<b>Rated Capacity (25 °C)</b>	<b>20hr Rate (1,80V/cell)</b>	<b>10hr Rate (1,80V/cell)</b>	<b>5hr Rate (1,70V/cell)</b>	<b>1hr Rate (1,60V/cell)</b>	
		1,3 Ah	1,1 Ah	0,95 Ah	0,82 Ah	
	<b>Dimensions (mm) &amp; Weight (kg)</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Overall Height</b>	<b>Weight</b>
		97mm	43mm	52mm	58mm	0,61kg
	<b>Number / Type of Terminals</b>	<b>2 / F1</b>				

## Technical Characteristics

<b>Design Life at 20°C</b>	5 years
<b>Eurobat Classification</b>	Standard Commercial
<b>Internal Resistance (Fully charged - 25°C)</b>	95 mΩ
<b>Short-circuit current</b>	60 A
<b>Max Charging Current</b>	0,5 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



### SYSTEMS SUNLIGHT S.A.

#### Headquarters

23rd Km. N.R. Athens - Lamia,  
145 65 Agios Stefanos - Attica, Greece  
Tel.: +30 210 624 5400,  
Fax: +30 210 624 5409

#### Manufacturing Plant

Neo Olvio  
67 200 Xanthi, Greece  
Tel.: +30 25410 48100,  
Fax: +30 25410 95446

 **SUNLIGHT**  
creating energy

www.sunlight.gr