



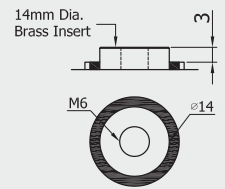
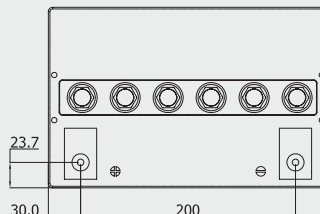
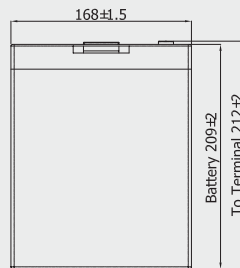
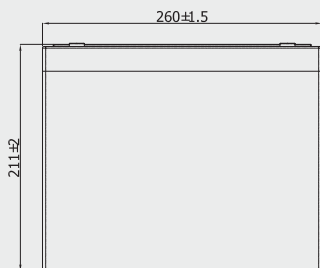
# GEL VRLA Battery **SPG 12-80**

## Specifications

<b>Nominal Voltage</b>	12 V				
<b>Rated Capacity (20 °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>	
	73,2 Ah	64,7 Ah	60,4 Ah	51,5 Ah	
<b>Dimensions (mm) &amp; Weight (kg)</b>	<b>Length</b>	<b>Width</b>	<b>Height to terminals</b>	<b>Height of case</b>	<b>Weight</b>
	260mm	168mm	212mm	211mm	23,3 kg
<b>Number / Type of Terminals</b>	2 / M6				

## Technical Characteristics

<b>Design Life at 20°C</b>	12 years
<b>Internal Resistance (Fully charged - 20°C)</b>	5 mΩ
<b>Short-circuit current</b>	2400 A
<b>Max Charging Current</b>	20 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): 2,35 to 2,40
<b>Container Material</b>	ABS-UL94 HB
<b>Electrolyte Type</b>	Gelled Sulfuric Acid
<b>Type of plates / Alloy</b>	Flat plates / Lead-Calcium-Tin alloy
<b>Type of Separator</b>	Microporous polymer
<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



### SUNLIGHT SYSTEMS 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