



## Technical data sheet

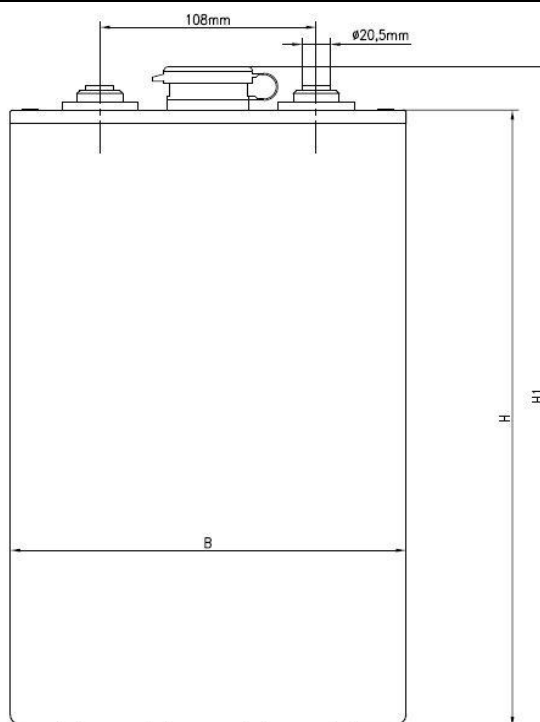
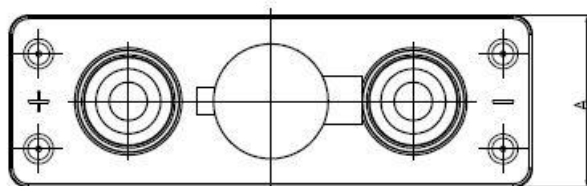
### Solar cells



Cell type (DIN)	WOPzS840	Cell type (Watta)	5P125L
		Product code	

Specification	
Nominal voltage	2 V
Capacity@30°C	840 Ah@100hr to 1.70V/cell
Charge condition	Wet
Weight without acid	29.8 kg ± 5%
Weight with acid	37.80 kg ± 5%
<i>Dimensions (see on drawing)</i>	
Width (A)	119 ± 2 mm
Length (B)	198 ± 2 mm
Height (H)	580 ± 2 mm
Total height (H <sub>1</sub> )	610 ± 2 mm
Container material	PP
Box color	White natural
Lid color	Grey/Green
/Terminal pole type	Bolt-on
Bolt size	M10
Electrolyte spec density at 30°C	1.24 ± 0.01 g/cm <sup>3</sup>
Cell properties	
Number of + plates	5
Number of - plates	4
Positive plate capacity	125 Ah

Characteristics	
Rated capacity@30°C	625Ah/62.5A (10h, 1.70V/cell) 312.5Ah/625A (0.5h, 1.50V/cell)
Operating temp. range	Charge, discharge: 10 - 45°C Storage: 5 - 40°C
Cycle life	≥ 1200 cycles
Cycle use	Initial charg. current: < 52.5A Voltage: 2.4 ~ 2.5V at 25°C Temp. Coefficient : -5mV/°C
Capacity affected by temperature	103% 40°C 100% 30°C 86% 0°C
Self discharge	Less than 8% C5 after storage for 1 month at 20°C, then a charge is required. For higher temperature, the time interval will be shorter
Construction	<ul style="list-style-type: none"><li>• Nonwoven gauntlet</li><li>• Flexible fully isolated connector</li><li>• Plugs with electrolyte level indication</li><li>• High quality separator for higher porosity and lower electrical resistance</li></ul>



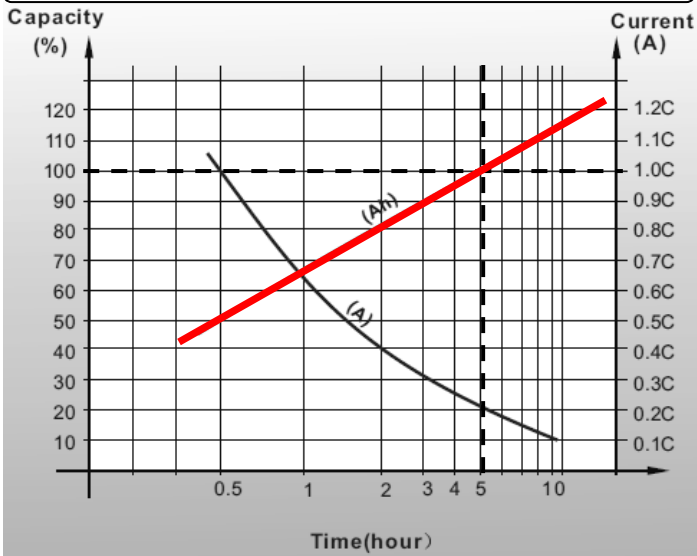


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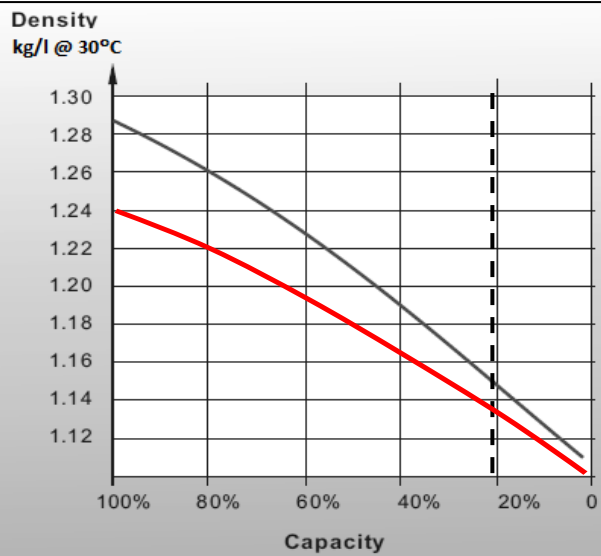
## Solar cells



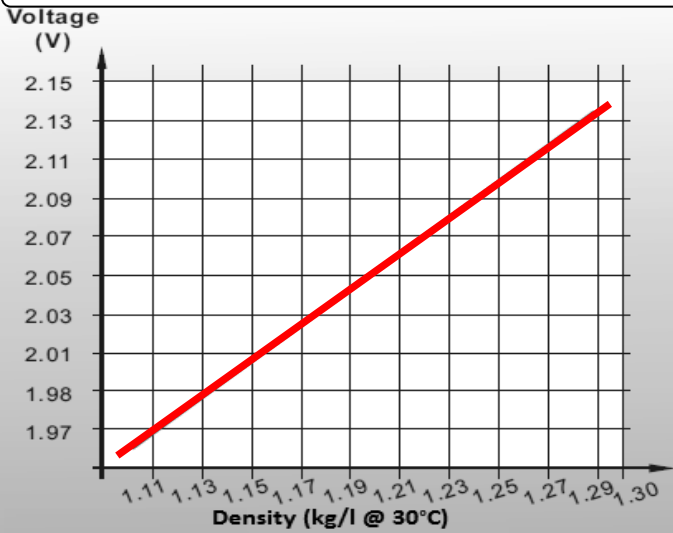
### Discharge characteristic



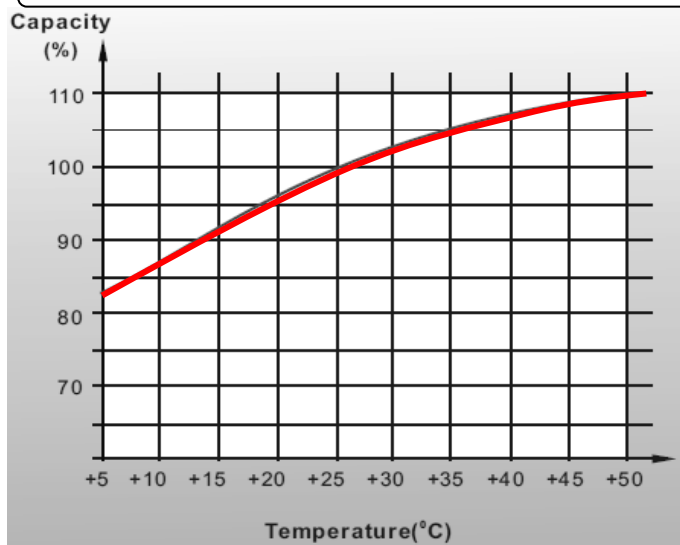
### Density in relation to Capacity



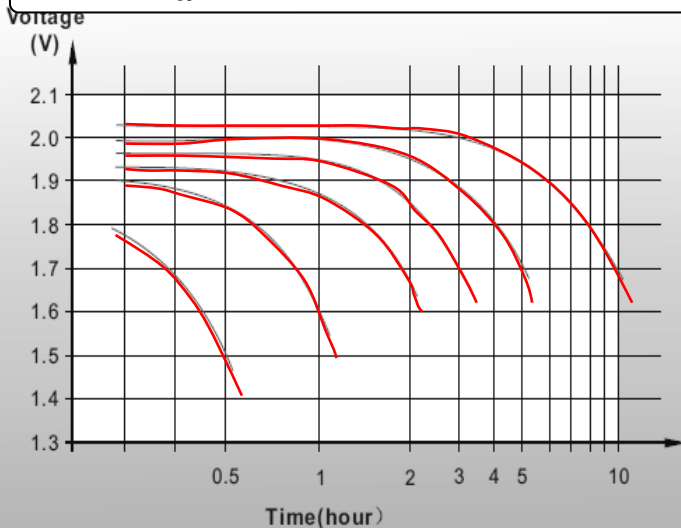
### Density in relation to Voltage



### Capacity in relation to Temperature



### Discharge characteristic



### Cycle life in relation to Depth of discharge

