

**SILICON BATTERY****Applications**

- Solar system and Wind system
- Solar street light and solar garden light
- Emergency lighting equipment
- Fire alarm and security systems
- Telecommunication equipment
- Electric equipment and telemeter equipment

Battery Model	2V1000Ah			
Capacity (25°C)	10Hr (100A,1.80V)	5Hr(175A,1.80V)	3Hr (256A,1.80V)	1Hr(560A,1.80V)
	1000Ah	875Ah	768Ah	560Ah
Dimensions	Length	Width	Height	Total Height
	478mm	175mm	328mm	338mm
Approx Weight	56.5KG			
Internal Resistance	0.29mΩ			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	2.33V(-3.5mV/°C),max charge current:200A		2.22V(-3.5mV/°C)	

General Features

- Wide operating temperature range from -45°C to 60°C
- Sealed and maintenance free operation
- Low self-discharge rate and long shelf life (12months at 25°C)
- ABS containers and covers
- No memory effect, thick flat plate with high Tin low Calcium alloy
- Absorptive Glass Mat Technology (AGM System)
- Safety valve installation for explosion proof
- Long Service Life, Float or Cyclic





Discharge Parameter

Constant Current Discharge Data (25°C,A)

End Voltage (V/cell)	5min	10min	15min	20min	30min	1h	2h	3h	5h	10h	20h	100h	120h
1.65	1700	1550	1440	1300	1010	625	375	275	190	112.5	56.5	12.5	10.9
1.70	1600	1475	1300	1136	950	615	368.5	273	185.5	106.5	55.5	12.5	10.9
1.75	1500	1395	1240	1095	920	605	361.5	268	182	104.5	55	12.5	10.9
1.80	1400	1325	1145	1010	850	560	347	256	175	100	54	12.5	10.9
1.85	1200	1145	1045	945	795	540	326.5	240	164.5	94.5	51	12.5	10.9

Constant Power Discharge Data (25°C,W/cell)

End Voltage	5min	10min	15min	20min	30min	1h	2h	3h	5h	10h	20h	100h	120h
1.65	2970	2755	2590	2355	1845	1160	700	520	360	165	84.5	25	22
1.70	2845	2670	2375	2090	1755	1150	695	520	355	160	83.5	25	22
1.75	2735	2575	2310	2050	1730	1145	690	515	350	154	83.0	25	22
1.80	2615	2490	2170	1915	1625	1070	675	495	340	150	82	25	22
1.85	2290	2196	2010	1830	1545	1055	640	470	325	142	76.5	25	22

Performance Curve

