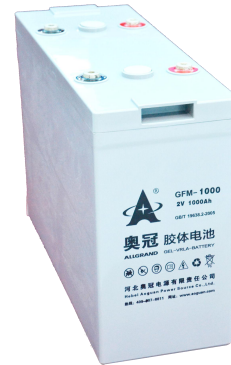


SP SERIES/ GFM-1000 2V1000Ah

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
- Designed life : 8 to 12 years



Battery Model	GFM-1000 / 2V1000Ah			
Capacity (25°C)	10Hr(100A,1.80V)	5Hr (175A,1.80V)		1Hr(560A,1.80V)
	1000Ah	875Ah		560Ah
Dimensions	Length	Width	Height	Total Height
	478mm	175mm	328mm	338mm
Approx Weight	62.50KG			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use			Float Use
	2.36V(-3.5mV/°C),max charge current: 150A			2.25V(-3.5mV/°C)

General Features

- Germany GEL technology
- Deep cycle solar battery
- Wide operating temperature range from -25°C to 60°C
- Sealed and maintenance free operation
- Low self-discharge rate and long shelf life (9 months at 25°C)
- ABS containers and covers
- No memory effect, thick flat plate with high Tin low Calcium alloy
- 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	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	1700	1550	1300	1010	625	375	275	190	170	133	112.5	56.5	47.8	24.3	12.5	10.9	5.8
1.70	1600	1475	1135	950	615	368.5	272	185.5	161	129	106.5	55.5	47.4	24.3	12.5	10.9	5.8
1.75	1500	1395	1095	920	605	361.5	268	182	158.5	126.5	104.5	55	47.1	24.3	12.5	10.9	5.8
1.80	1400	1325	1010	850	500	347	256	175	152.5	121.5	100	54	46.8	24.3	12.5	10.9	5.8
1.85	1200	1145	945	795	540	326.5	240	164.5	143	114	94.5	51	46.5	24.3	12.5	10.9	5.8

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

End Voltage (V/cell)	5min	10min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h	24h	48h	100h	120h	240h
1.65	2970	2755	2355	1845	1160	700	520	360	251	200	165	84.5	91.5	48.6	25	22	11.7
1.70	2845	2670	2090	1755	1150	695	520	355	243	193	160	83.5	91.5	48.6	25	22	11.7
1.75	2735	2575	2050	1730	1145	690	515	350	235	186	154	82.5	91.5	48.6	25	22	11.7
1.80	2615	2490	1915	1625	1070	675	495	340	226	179	150	80.5	91.5	48.6	25	22	11.7
1.85	2290	2196	1830	1545	1055	640	470	325	215	171	142	76.5	88	48.6	25	22	11.7

Performance Curve

