

**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	12V250Ah			
Capacity (25°C)	20Hr(13.5A,1.80V)	10Hr (25A,1.80V)	3Hr(67.5A,1.80V)	1Hr(137.5A,1.80V)
	270Ah	250Ah	202.5Ah	137.5Ah
Dimensions	Length	Width	Height	Total Height
	521mm	272mm	219mm	226mm
Approx Weight	66.00KG			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	2.36V(-3.5mV/°C),max charge current:60A		2.25V(-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 (12 months 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	6h	8h	10h	20h
1.67	570	477	402	342	256	155	98.0	70.5	45.7	40.1	32.1	26.1	13.7
1.70	549	465	396	334	246	150	96.0	69.3	45.0	39.6	31.8	25.9	13.6
1.75	511	440	379	320	236	145	93.6	67.9	44.2	38.9	31.4	25.7	13.5
1.80	473	416	362	304	225	140	90.8	66.3	43.3	38.2	30.7	25.3	13.4
1.85	396	371	331	284	212	136	87.4	63.9	42.3	37.3	30.1	24.7	13.1

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

End Voltage	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h
1.67	1003	861	742	635	481	293	191	138	89.9	78.9	63.5	52.1	27.4
1.70	978	847	722	624	467	287	188	135	88.9	78.1	62.9	51.8	27.3
1.75	927	809	688	601	448	279	184	132	87.6	77.1	62.3	51.3	27.1
1.80	867	739	650	575	430	271	179	130	86.1	75.9	61.4	50.8	26.8
1.85	747	669	594	526	407	264	173	126	84.2	74.3	60.3	50.0	26.3

Performance Curve

