

**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	12V200Ah			
Capacity (25°C)	20Hr(10.8A,1.80V)	10Hr (20A,1.80V)	3Hr(54A,1.80V)	1Hr(110A,1.80V)
	216Ah	200Ah	162Ah	110Ah
Dimensions	Length	Width	Height	Total Height
	171mm	107mm	335mm	347mm
Approx Weight	58.50KG			
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 (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	6h	8h	10h	20h
1.67	508	388	321	273	192	123	73.2	53.9	36.8	32.1	25.5	20.9	11.0
1.70	483	368	302	260	186	120	71.7	52.8	36.0	31.4	25.1	20.7	10.9
1.75	449	346	286	244	178	116	70.0	51.7	35.4	30.9	24.7	20.6	10.8
1.80	426	326	272	234	170	112	68.4	50.5	34.6	30.3	24.4	20.3	10.7
1.85	372	306	247	205	160	109	66.9	49.5	33.8	29.7	23.9	19.8	10.5

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	845	663	564	483	360	234	148	113	73.9	65.0	51.8	42.8	22.5
1.70	808	629	550	466	348	229	145	111	73.3	64.2	51.7	42.2	22.3
1.75	772	597	528	447	336	223	143	109	72.1	63.3	51.3	41.6	21.8
1.80	713	570	504	431	324	216	139	107	70.8	62.4	50.5	40.9	21.5
1.85	618	518	468	406	304	211	135	104	69.1	61.1	49.5	40.3	21.2

Performance Curve

