

**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	2V1500Ah			
Capacity (25°C)	10Hr (150A,1.80V)	5Hr(262.5A,1.80V)	3Hr (384A,1.80V)	1Hr(840A,1.80V)
	1500Ah	1312.5Ah	1152Ah	840Ah
Dimensions	Length	Width	Height	Total Height
	401mm	353mm	342mm	352mm
Approx Weight	81KG			
Internal Resistance	0.18mΩ			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	2.33V(-3.5mV/°C),max charge current:300A		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 (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	10h	20h	100h	120h
1.65	2550	2325	2160	1950	1515	938	562.5	412	285	168.75	84.75	18.75	18.75
1.70	2400	2213	1950	1703	1425	923	552.75	408	271	160	76.80	18.75	18.75
1.75	2250	2093	1860	1643	1380	908	542.25	401	260	150	75.70	18.75	18.75
1.80	2100	1988	1718	1515	1275	840	520.50	380	251	146	75	18.75	18.75
1.85	1800	1718	1568	1418	1193	810	489.8	360	246.8	141.75	76.5	18.75	18.75

**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	4455	4133	3885	3533	2768	1740	1050	780	540	247.5	126.75	37.5	17.55
1.70	4268	4005	3563	3135	2633	1725	1042	780	532.5	239.25	125.25	37.5	17.55
1.75	41.3	3863	3465	3075	2595	1718	1035	772	525	230.25	123.75	37.5	17.55
1.80	3923	3738	255	2873	2438	1605	1012	742	510	225	120.75	37.5	17.55
1.85	3435	3293	3015	2745	2318	1583	960	70	487.5	212.25	114.75	37.5	17.55

**Performance Curve**

