



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	2V800Ah			
Capacity (25°C)	10Hr (80A,1.80V)	5Hr(140A,1.80V)	3Hr (204.8A,1.80V)	1Hr(448A,1.80V)
	800Ah	700Ah	614.4Ah	448Ah
Dimensions	Length	Width	Height	Total Height
	411mm	174mm	329mm	347mm
Approx Weight	53KG			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	2.33V(-3.5mV/°C),max charge current:120A		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	6h	8h	10h	20h
1.65	1360	1240	1152	1040	808	500	300	220	152	90	45.2	10	8.7
1.70	1280	1180	1040	908	760	492	294.8	217.6	148.4	85.2	44.4	10	8.7
1.75	1200	1116	992	876	738	484	289.2	214.4	145.6	83.8	44	10	8.7
1.80	1120	1060	916	808	680	448	277.6	204.8	140	80	43.2	10	8.7
1.85	960	916	836	756	636	432	261.2	192	131.6	75.6	40.8	10	8.7

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

End Voltage	5min	10min	15min	20min	30min	1h	2h	3h	5h	6h	8h	10h	20h
1.65	2376	2204	2074	1896	1476	926	560	416	288	132	67.6	20	17.6
1.70	2276	2136	1960	1670	1404	920	556	416	264	128	66.8	20	17.6
1.75	2188	2060	1848	1640	1384	913	552	412	260	125	66.0	20	17.6
1.80	2092	1992	1736	1532	1300	856	540	390	260	120	64.6	20	17.6
1.85	1832	1756	1608	1434	1236	844	512	376	260	113	60.7	20	17.6

Performance Curve

