

**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	12V150Ah			
Capacity (25°C)	20Hr(8.14A,1.80V)	10Hr (15A,1.80V)	3Hr(40.5A,1.80V)	1Hr(82.5A,1.80V)
	162Ah	150Ah	121.5Ah	82.5Ah
Dimensions	Length	Width	Height	Total Height
	483mm	170mm	231mm	239mm
Approx Weight	43.5KG			
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	422	318	264	221	150	92.1	54.9	40.4	27.6	24.1	19.1	15.7	8.31
1.70	403	302	248	211	145	89.9	53.8	39.6	27.0	23.6	18.9	15.6	8.21
1.75	374	284	234	201	140	87.2	52.4	38.8	26.5	23.2	18.5	15.4	8.12
1.80	342	267	223	192	133	84.1	51.3	37.9	26.0	22.7	18.3	15.2	8.01
1.85	291	238	196	168	125	81.8	50.2	37.2	26.3	22.3	17.9	14.8	7.85

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	720	551	463	396	286	176	111	84.9	54.3	48.8	39.5	32.1	16.9
1.70	694	523	445	383	276	172	109	83.3	54.2	48.1	39.0	31.7	16.7
1.75	662	497	425	367	267	168	107	81.7	54.0	47.5	38.4	31.2	16.4
1.80	625	474	410	354	257	162	105	80.4	53.1	46.8	37.9	30.7	16.2
1.85	542	431	381	333	241	158	101	77.7	51.8	45.8	37.1	30.2	15.9

Performance Curve

