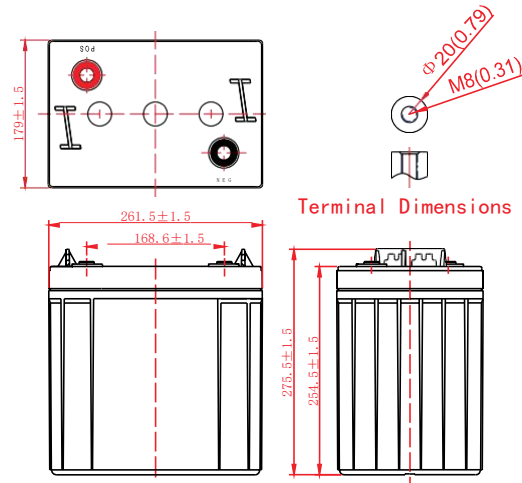




SILICON BATTERY

General Feature

- \* Specialize in Solar Accumulation System
- \* Excellent Deep-cycle performance
- \* 80% DOD is more than 1000 cycles
- \* Low internal resistance and low self-discharging
- \* Operating Temperature: - 40°C~60°C
- \* Adopt cover sealing and column sealing technology



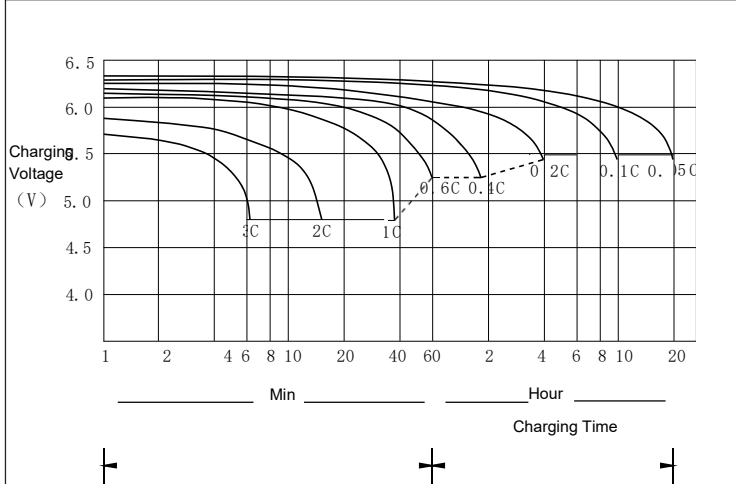
Specification

Normal Voltage	6V
Capacity	210Ah @ 10hr to 1.70V/cell @ 25°C(77°F) 32.0kg
Weight	Approx 1.5mΩ
Internal Resistance	Discharging:- 40°C~70°C(-40°F~158°F) Charging:- 40°C~70°C(-40°F~158°F) Storage:- 40°C~50°C(-40°F~122°F)
Operating Temperature Range	15°C~25°C(59°F~77°F)
Recommended Operating Temperature	6.75V~6.90V @ 25°C(77°F)
Floating Charging Voltage	63.0A
Max Charging Current	7.20V~7.50V @ 25°C(77°F)
Equalization Charging Voltage	Residual Capacity is more than 90% after 90 days (25°C/77°F)
Self Discharging	M8
Terminal	AB
Contain Materials	S

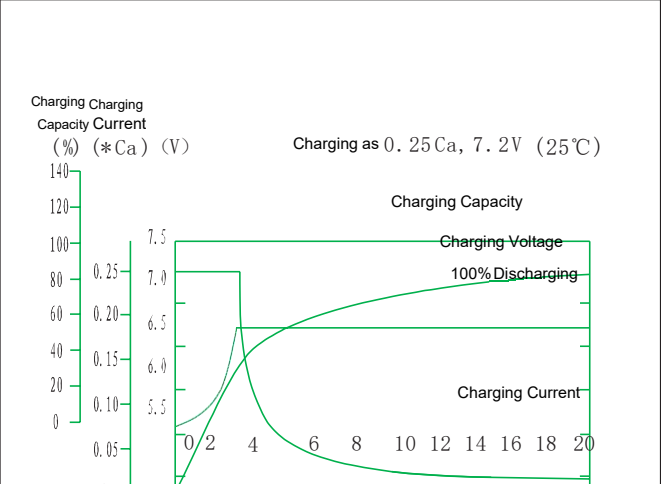
Cut-off Voltage	Constant Current Discharge Characteristics Unit: A (25°C, 77°F)														
	5M	15M	30M	45M	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	731	394	239	173	140	80.1	62.8	48.2	43.2	36.2	28.1	23.4	19.7	12.2	10.2
1.67V	686	380	234	171	139	79.7	61.7	47.9	42.8	36.2	27.9	23.2	19.5	12.1	10.1
1.70V	680	374	232	170	138	79.0	61.2	47.5	42.3	36.0	27.9	23.0	19.3	12.1	10.1
1.75V	626	360	230	169	136	77.0	60.5	47.0	41.9	35.8	27.2	22.7	19.3	12.1	10.1
1.80V	560	338	219	162	132	76.3	60.1	46.8	40.7	35.1	27.0	22.5	19.1	11.9	10.1
1.83V	536	308	215	157	126	75.4	58.1	44.8	39.4	34.0	26.8	21.7	18.4	11.9	9.95
1.85V	502	299	200	150	122	72.5	56.5	44.1	38.5	33.1	25.9	21.5	18.3	11.7	9.86

Cut-off Voltage	Constant Power Discharge Characteristics Unit: W (25°C, 77°F)														
	5M	15M	30M	45M	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	1319	745	464	349	284	163	119	94.3	79.4	68.6	53.1	43.7	36.7	23.4	19.7
1.67V	1269	731	461	347	281	162	117	94.1	79.4	68.2	52.7	43.2	36.7	23.4	19.7
1.70V	1262	722	461	347	281	162	117	93.8	78.3	67.5	52.4	43.0	36.5	23.4	19.6
1.75V	1193	718	459	347	277	161	116	93.6	78.3	67.3	52.0	42.8	36.2	23.4	19.6
1.80V	1094	677	448	338	277	160	116	93.4	77.0	66.8	51.8	42.8	36.2	23.4	19.6
1.83V	1060	621	443	329	263	158	113	90.0	75.4	64.8	51.3	41.6	35.1	23.2	19.5
1.85V	1004	605	412	315	257	153	110	88.9	73.6	63.5	49.7	41.2	34.7	22.7	19.3

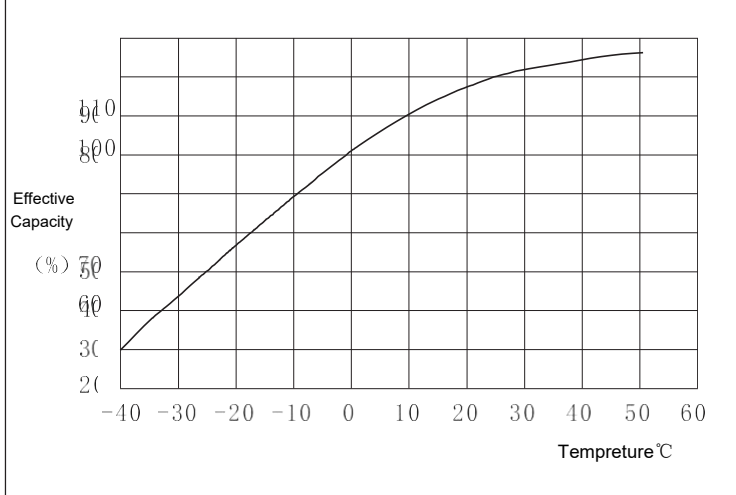
### Discharging Characteristic



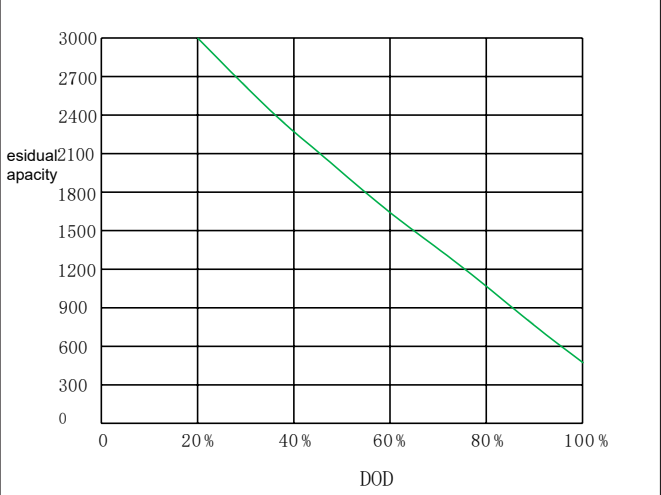
### Charging Characteristics Curves



### Temperature Vs Capacity



### Recycle Life



### Charging System

### Relationship between Discharging Current and Discharging Voltage

Application	Charging Voltage (V/Ce11)			Max Current (A)	Cut-off Voltage V/Ce11	1.80	1.75	1.60	1.50
	Temperature	Set Point	Range						
Recycling	25°C	2.45	2.40~2.50	0.3C	(A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0C	1.0C < (A)
Standby	25°C	2.27	2.25~2.30						

