



MAIN NEW ENERGY CO., LTD

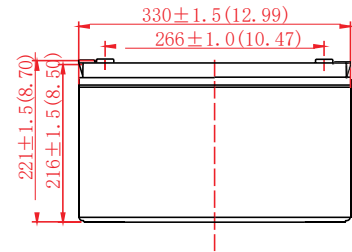
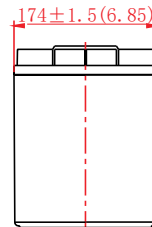
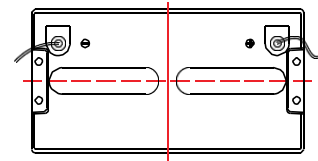
SUB-12V100AH

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-70·C
- * Floating Charging Service Life: 10 years

Terminal:
4mm², 1.5m
RV copper wire



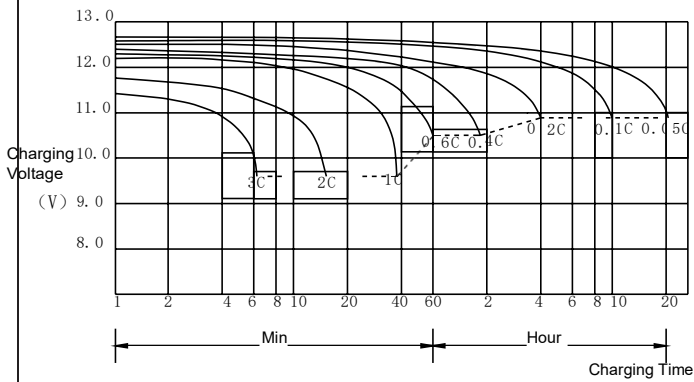
Specification

Normal Voltage	12V
Capacity	100Ah @ 10hr to 1.80V/cell @ 25°C (77°F)
Weight	30.0kg
Internal Resistance	Approx. 3.2mΩ
Operating Temperature Range	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)
Recommended Operating Temperature	15°C~25°C (59°F~77°F)
Floating Charging Voltage	13.5V~13.8V @ 25°C (77°F)
Max Charging Current	30.0A
Equalization Charging Voltage	14.4V~15.0V @ 25°C (77°F)
Self Discharging	Residual Capacity is more than 90% after 90 days (25°C/77°F)
Terminal	1.5m, 4mm ² , RVCopper Core
Contain Materials	ABS

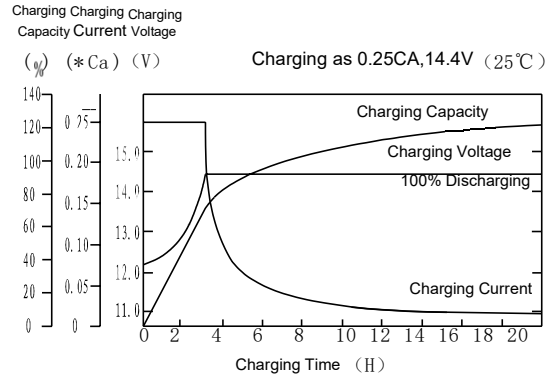
Cut-off Voltage	Constant Current Discharge Characteristics Unit: A (25°C, 77°F)														
	5M	15M	30M	45M	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	325	175	106	76.7	62.0	35.6	27.9	21.4	19.2	16.1	12.5	10.4	8.75	5.44	4.54
1.67V	305	169	104	76.2	61.7	35.4	27.4	21.3	19.0	16.1	12.4	10.3	8.67	5.39	4.50
1.70V	302	166	103	75.6	61.2	35.1	27.2	21.1	18.8	16.0	12.4	10.2	8.58	5.38	4.50
1.75V	278	160	102	75.1	60.3	34.2	26.9	20.9	18.6	15.9	12.1	10.1	8.58	5.37	4.50
1.80V	249	150	97.4	72.0	58.7	33.9	26.7	20.8	18.1	15.6	12.0	10.0	8.51	5.31	4.49
1.83V	238	137	95.5	69.6	56.2	33.5	25.8	19.9	17.5	15.1	11.9	9.63	8.17	5.30	4.42
1.85V	223	133	88.7	66.8	54.4	32.2	25.1	19.6	17.1	14.7	11.5	9.55	8.12	5.20	4.38

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	586	331	206	155	126	72.3	52.9	41.9	35.3	30.5	23.6	19.4	16.3	10.4	8.75
1.67V	564	325	205	154	125	72.2	52.2	41.8	35.3	30.3	23.4	19.2	16.3	10.4	8.75
1.70V	561	321	205	154	125	71.9	52.1	41.7	34.8	30.0	23.3	19.1	16.2	10.4	8.73
1.75V	530	319	204	154	123	71.5	51.6	41.6	34.8	29.9	23.1	19.0	16.1	10.4	8.73
1.80V	486	301	199	150	123	71.3	51.5	41.5	34.2	29.7	23.0	19.0	16.1	10.4	8.71
1.83V	471	276	197	146	117	70.4	50.3	40.0	33.5	28.8	22.8	18.5	15.6	10.3	8.65
1.85V	446	269	183	140	114	68.1	48.9	39.5	32.7	28.2	22.1	18.3	15.4	10.1	8.58

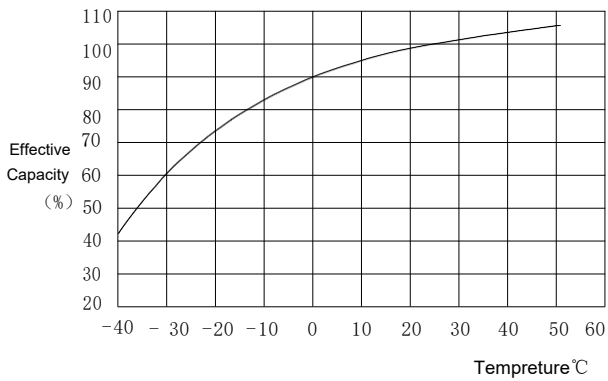
Discharging Characrictic (25°C, 77°F)



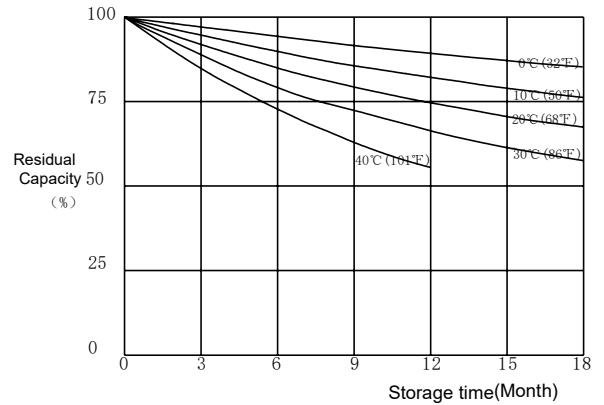
Charging Characteristics Curves



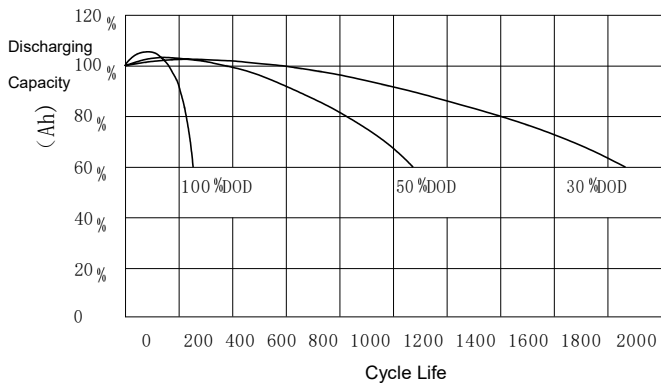
Tempreture Vs Capacity



Self-Discharge Characteristics



Recycle Life



Tempreture VS Float Life

