

**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	10Ah
	10HR(5.25V)	9.3Ah
	1HR(4.80V)	6.5Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	50 ± 1mm (1.97inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	100 ± 1mm (3.94inch)
Approx. Weight		1.6kg (3.53lbs) ± 5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 14mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		6.80 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.45V Temperature compensation: -15mV/°C
Maximum charging current		3.0A
Terminal material		Copper
Maximum discharge current		150A(5 sec.)
Designed floating life(20°C)		3~5 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

**Constant Current Discharge Characteristics (A, 25°C)**

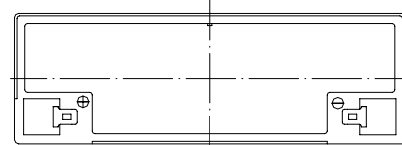
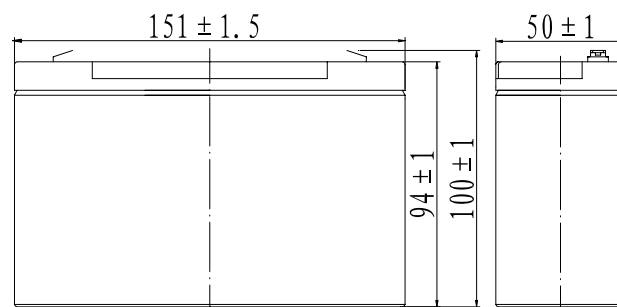
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	24.0	19.0	10.6	6.50	3.55	2.55	2.04	1.73	1.12	0.94	0.51
4.95V	23.3	18.5	10.4	6.40	3.53	2.54	2.03	1.72	1.12	0.94	0.51
5.10V	22.3	17.9	10.1	6.24	3.50	2.52	2.01	1.71	1.11	0.94	0.50
5.25V	21.4	17.3	9.83	6.12	3.45	2.50	2.00	1.70	1.10	0.93	0.50
5.40V	20.2	16.3	9.47	5.93	3.36	2.43	1.94	1.65	1.07	0.91	0.49

**Constant Power Discharge Characteristics (Watt, 25°C)**

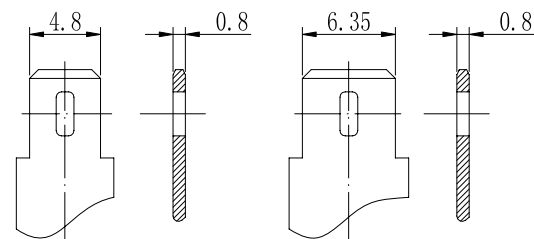
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	135	108	60.7	37.6	20.8	15.1	12.1	10.4	6.73	5.66	3.05
4.95V	131	106	59.5	37.1	20.7	15.1	12.1	10.3	6.69	5.64	3.03
5.10V	126	102	57.7	36.1	20.5	15.0	12.0	10.2	6.65	5.61	3.02
5.25V	120	98.3	56.3	35.4	20.2	14.9	11.9	10.1	6.60	5.58	3.00
5.40V	114	93.1	54.2	34.3	19.7	14.4	11.6	9.84	6.40	5.47	2.94

Note: The above characteristics data can be obtained within three charge/discharge cycles.

**Dimensions**



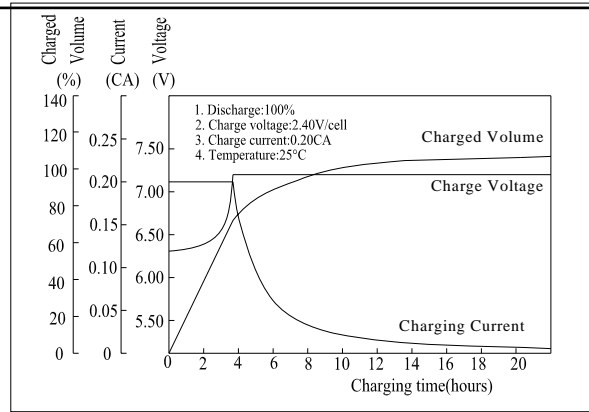
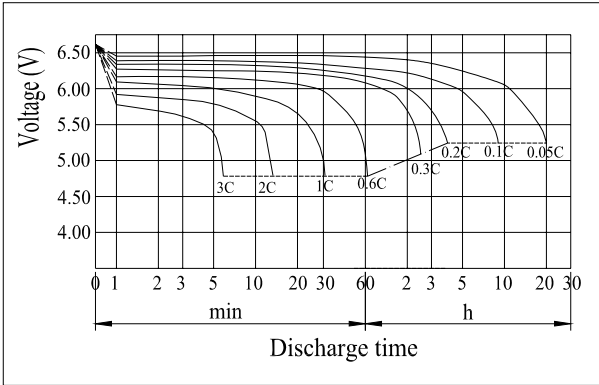
**Terminal**



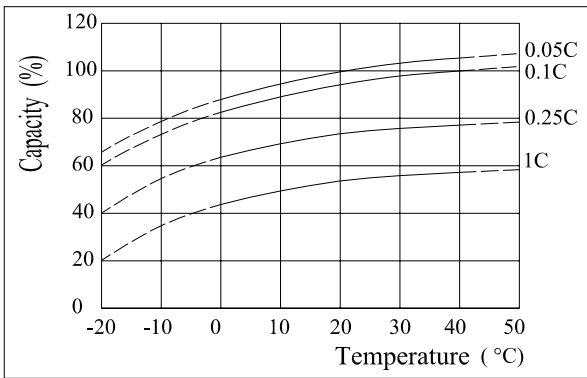
Terminal T1

Terminal T2

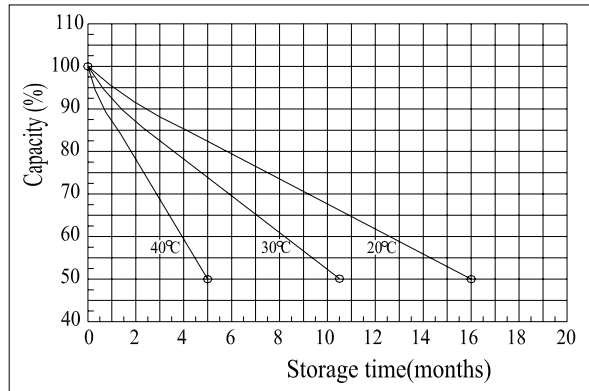
**Discharge Characteristics(25°C)**



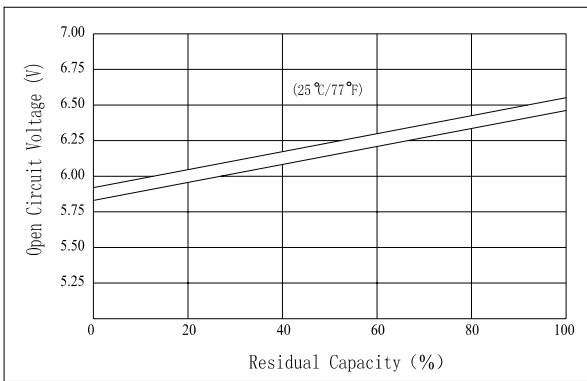
**Effect of Temperature on Capacity**



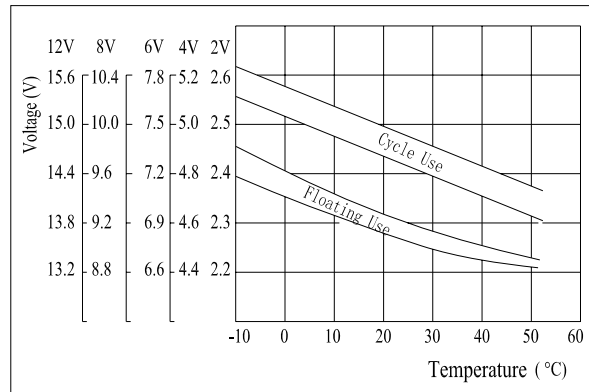
**Self-discharge Characteristics**



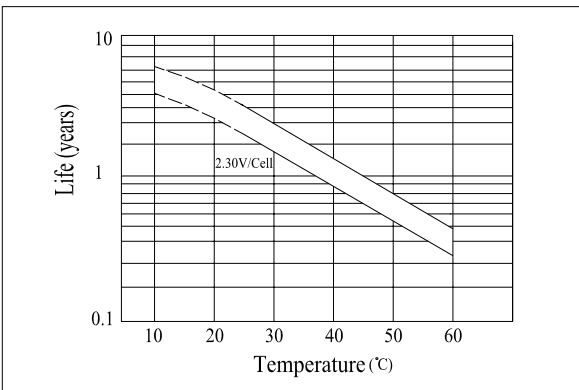
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



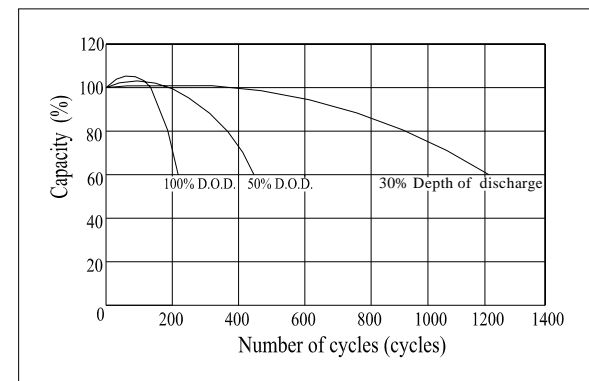
**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Charging Characteristics(25°C)**