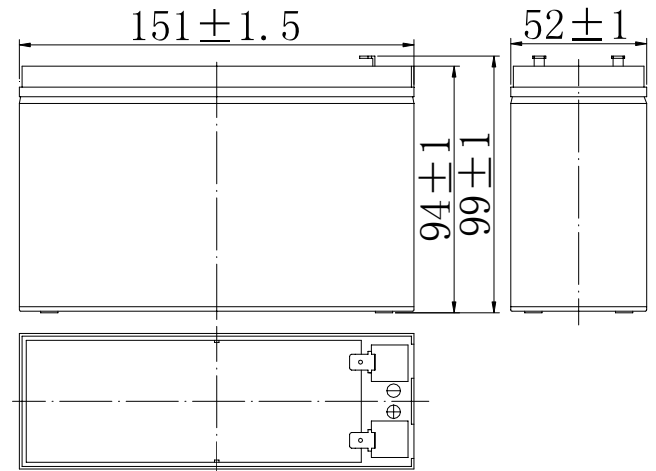


**Specifications**

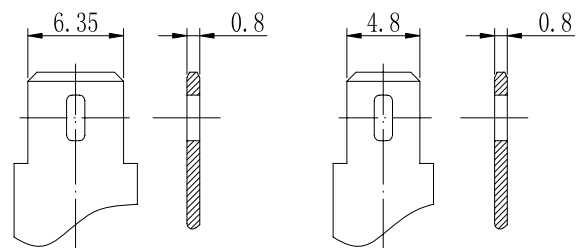
Nominal Voltage		12 V
Number of cell		6 cells
Capacity(20HR, 25°C)		6 Ah
Capacity(15min.rate, 25°C)		24 Watts/cell
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	52 ± 1mm (2.05inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	99 ± 1mm (3.90inch)
Approx. Weight		2.1kg (4.63lbs) ± 5%
Terminal type		T2/T1
Internal resistance (Fully charged, 25°C)		Approx. 18m Ω
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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		1.8A
Terminal material		Copper
Maximum discharge current		90A(5 sec.)
Designed floating life(20°C)		3~5 years

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

**Dimensions**



**Terminal**



Terminal T2

Terminal T1

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

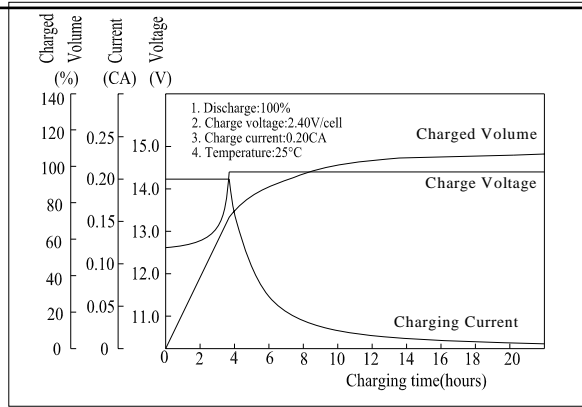
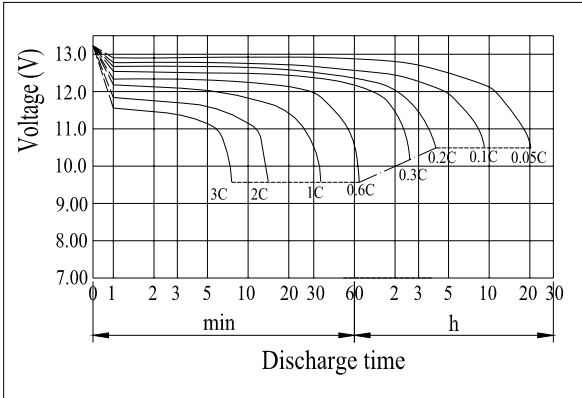
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	3h	5h	10h	20h
1.60V/cell	26.3	16.1	12.7	10.1	6.96	4.99	3.94	1.56	1.07	0.58	0.31
1.65V/cell	25.5	15.6	12.4	9.81	6.82	4.89	3.88	1.55	1.06	0.58	0.31
1.67V/cell	25.1	15.4	12.2	9.65	6.74	4.83	3.84	1.55	1.06	0.58	0.31
1.70V/cell	24.4	15.0	11.9	9.45	6.62	4.74	3.78	1.54	1.06	0.57	0.31
1.75V/cell	23.4	14.3	11.5	9.13	6.46	4.63	3.71	1.53	1.05	0.57	0.31
1.80V/cell	22.1	13.5	10.9	8.64	6.22	4.46	3.60	1.48	1.02	0.56	0.30

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

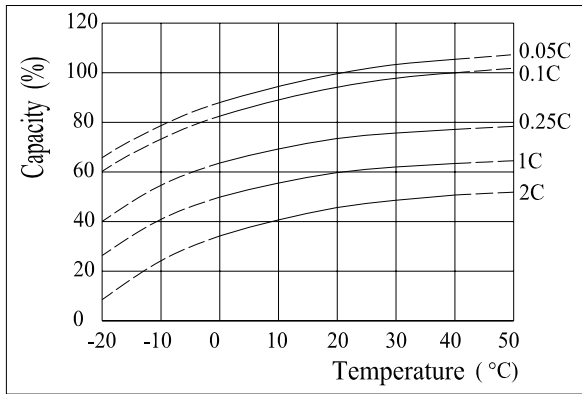
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	3h	5h	10h	20h
1.60V/cell	49.9	31.1	25.0	19.8	13.7	9.84	7.77	3.12	2.14	1.16	0.62
1.65V/cell	48.4	30.1	24.4	19.3	13.4	9.64	7.65	3.10	2.13	1.15	0.62
1.67V/cell	47.7	29.7	24.0	19.0	13.3	9.52	7.57	3.09	2.12	1.15	0.62
1.70V/cell	46.4	28.9	23.5	18.6	13.0	9.34	7.46	3.08	2.11	1.15	0.62
1.75V/cell	44.4	27.6	22.7	18.0	12.7	9.12	7.31	3.06	2.10	1.14	0.61
1.80V/cell	41.9	26.1	21.5	17.0	12.3	8.78	7.08	2.97	2.04	1.12	0.60

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

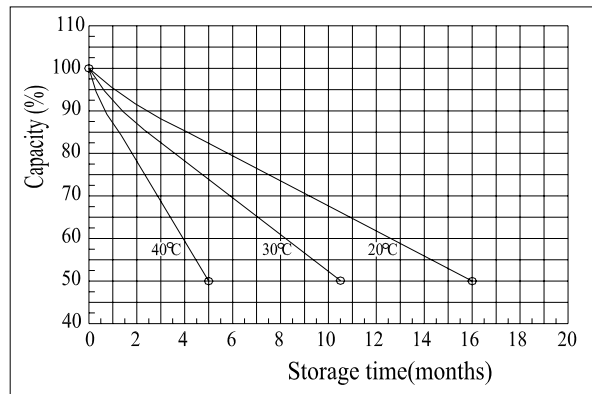
**Discharge Characteristics(25°C)**



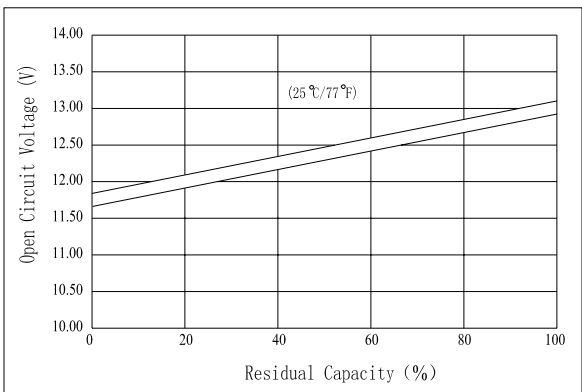
**Effect of Temperature on Capacity**



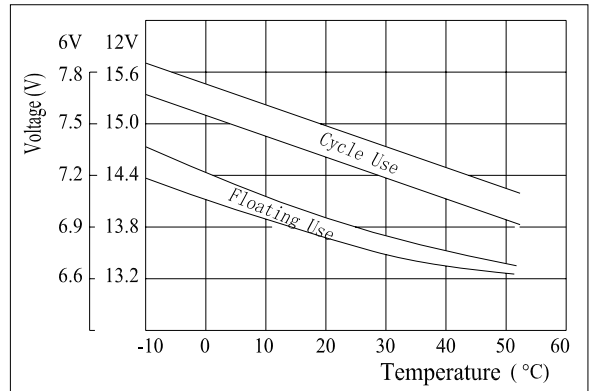
**Self-discharge Characteristics**



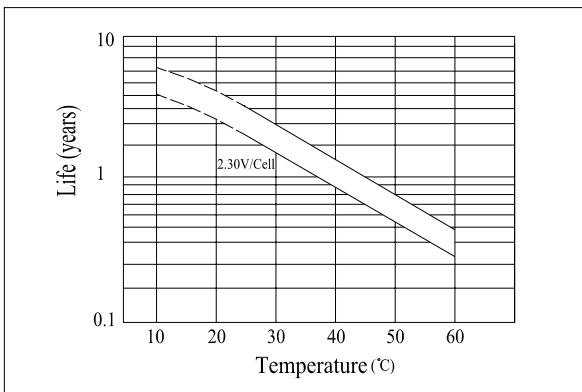
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



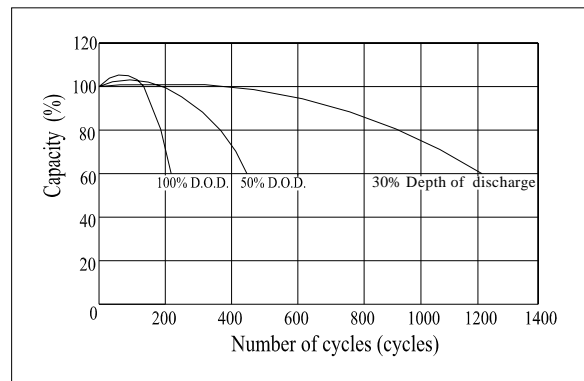
**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D.(25°C)**



**Charging Characteristics(25°C)**