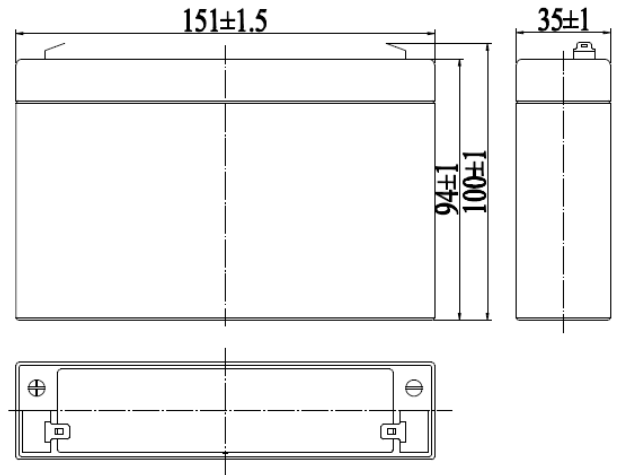
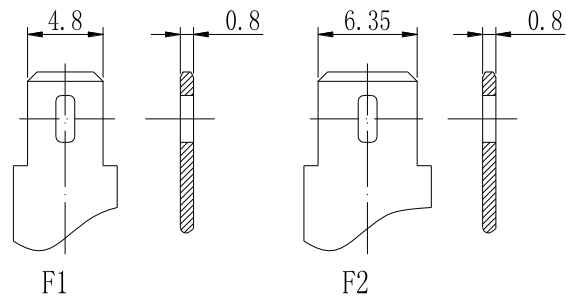


**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	6.5Ah
	10HR(5.25V)	6.1Ah
	1HR(4.80V)	4.2Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	35 ± 1mm (1.38inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	100 ± 1mm (3.94inch)
Approx. Weight		1.05kg (2.31lbs) ± 5%
Terminal type		F1/F2
Internal resistance (Fully charged, 25°C)		Approx. 21mΩ
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 7.50V Temperature compensation: -15mV/°C
Maximum charging current		1.95A
Maximum discharge current		97.5A(5 sec.)
Designed floating life(20°C)		5 years


**Dimensions**

**Terminal**

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	24.8	15.7	12.3	6.92	4.26	2.33	1.61	1.33	1.13	0.62	0.330
4.95V	24.1	15.3	12.0	6.78	4.19	2.32	1.60	1.32	1.13	0.61	0.329
5.10V	23.1	14.6	11.5	6.58	4.09	2.29	1.59	1.32	1.12	0.61	0.327
5.25V	22.1	14.0	11.2	6.42	4.01	2.26	1.58	1.31	1.11	0.61	0.325
5.40V	20.9	13.2	10.6	6.18	3.88	2.20	1.53	1.27	1.08	0.59	0.319

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

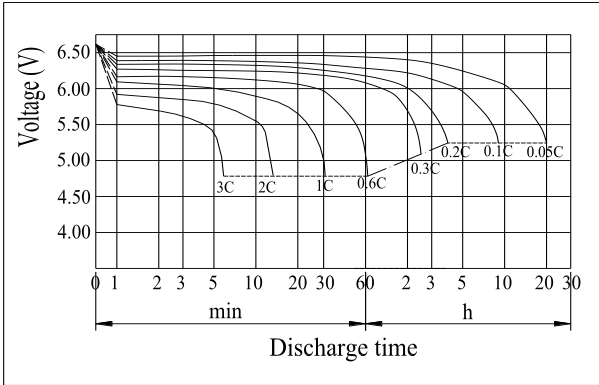
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	139	88.7	70.0	39.7	24.7	13.6	9.57	7.94	6.77	3.69	1.98
4.95V	134	86.1	68.3	38.9	24.3	13.5	9.51	7.89	6.73	3.68	1.97
5.10V	129	82.5	65.8	37.7	23.7	13.4	9.45	7.83	6.68	3.66	1.96
5.25V	123	79.0	63.6	36.8	23.2	13.2	9.38	7.78	6.64	3.64	1.95
5.40V	116	74.5	60.2	35.4	22.5	12.9	9.10	7.55	6.44	3.57	1.91

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

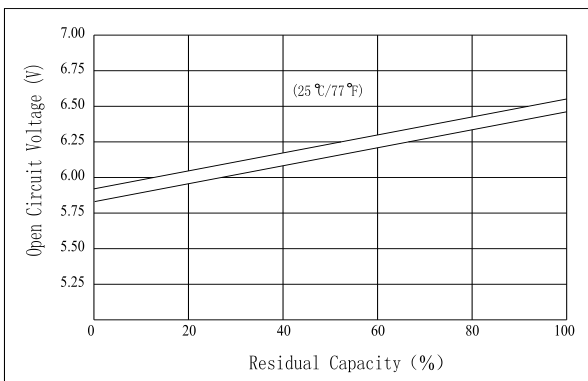
**Construction**

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

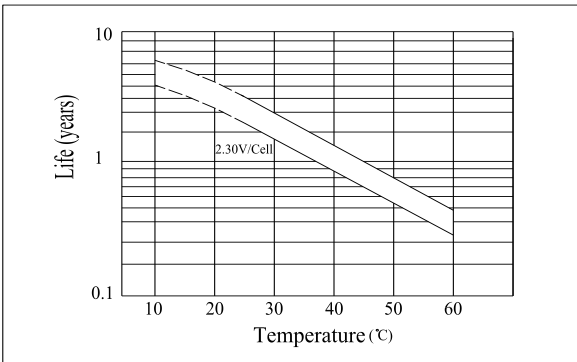
**Discharge Characteristics(25°C)**



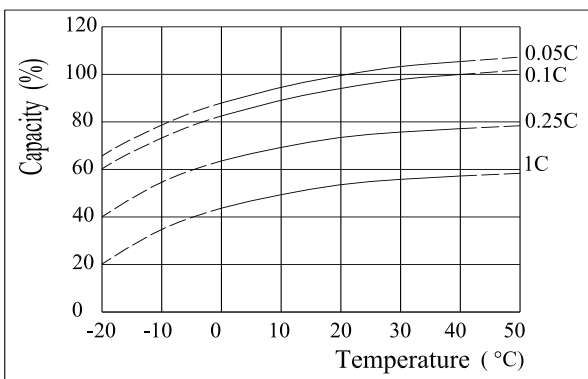
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



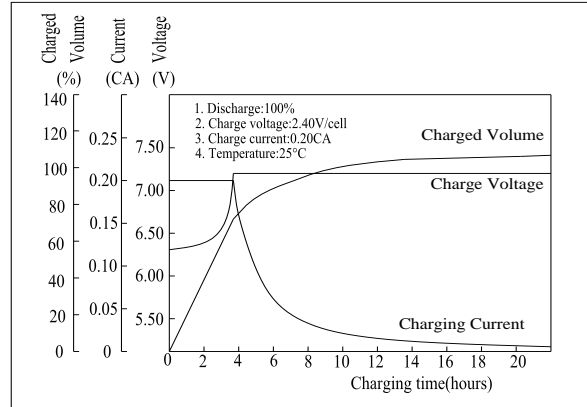
**Floating Life on Temperature**



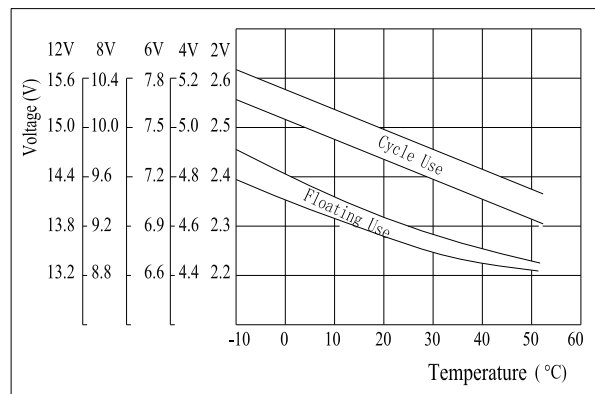
**Effect of Temperature on Capacity**



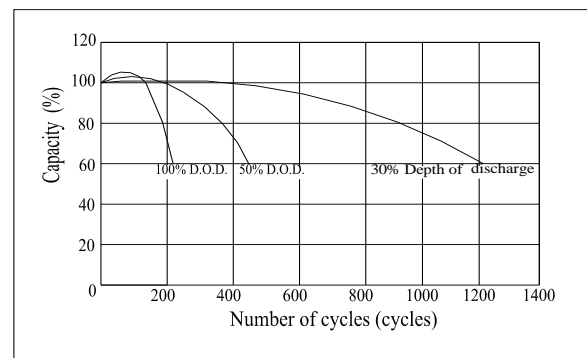
**Charging Characteristics(25°C)**



**The Relationship for Charging Voltage and Temperature**



**Cycle Life on D.O.D(25°C)**



**Self-discharge Characteristics**

