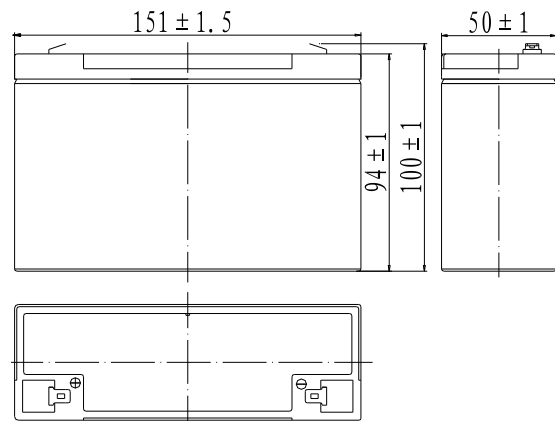
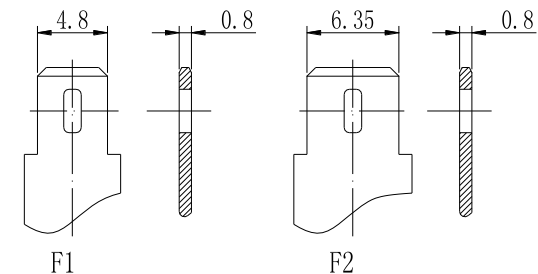


**Specifications**

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		1.55kg (3.42lbs) ± 5%
Terminal type		F1/F2
Internal resistance (Fully charged, 25°C)		Approx. 15mΩ
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		3A
Maximum discharge current		150A(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	38.2	24.2	18.9	10.7	6.55	3.58	2.48	2.05	1.74	0.95	0.51
4.95V	37.1	23.5	18.4	10.4	6.45	3.56	2.46	2.04	1.73	0.94	0.51
5.10V	35.5	22.5	17.8	10.1	6.29	3.53	2.45	2.02	1.72	0.94	0.50
5.25V	34.0	21.5	17.2	9.87	6.16	3.48	2.43	2.01	1.71	0.93	0.50
5.40V	32.1	20.3	16.3	9.51	5.97	3.39	2.36	1.95	1.66	0.91	0.49

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

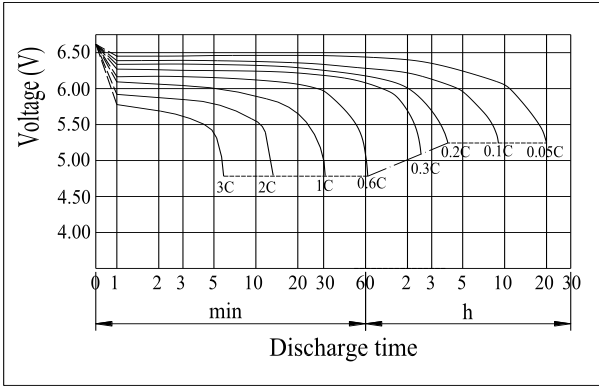
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	213	136	108	61.0	37.9	21.0	14.7	12.2	10.4	5.68	3.05
4.95V	207	132	105	59.8	37.4	20.8	14.6	12.1	10.4	5.66	3.03
5.10V	198	127	101	58.0	36.4	20.7	14.5	12.1	10.3	5.63	3.02
5.25V	190	121	97.8	56.6	35.7	20.3	14.4	12.0	10.2	5.60	3.00
5.40V	179	115	92.6	54.5	34.6	19.8	14.0	11.6	9.90	5.49	2.94

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

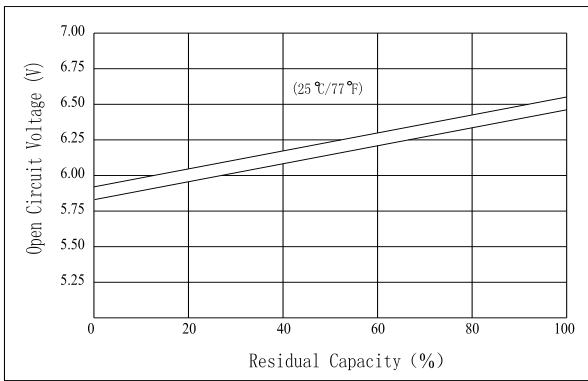
**Construction**

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

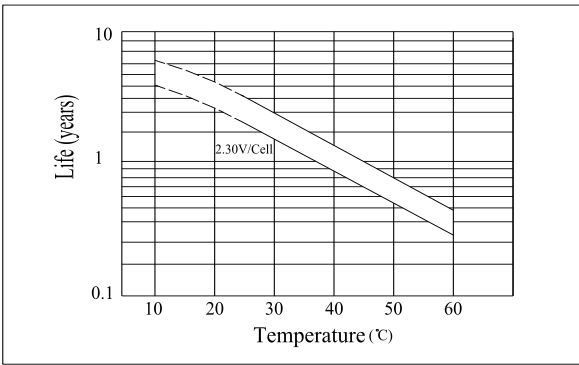
**Discharge Characteristics(25°C)**



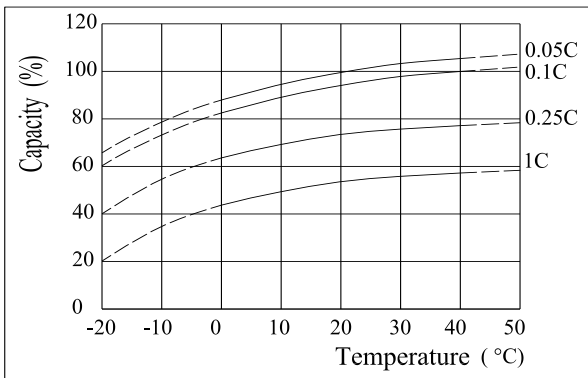
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



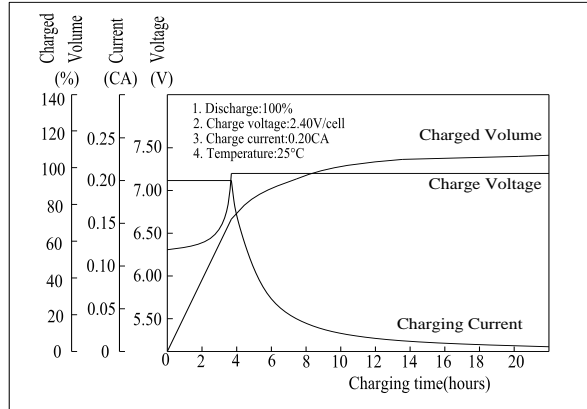
**Floating Life on Temperature**



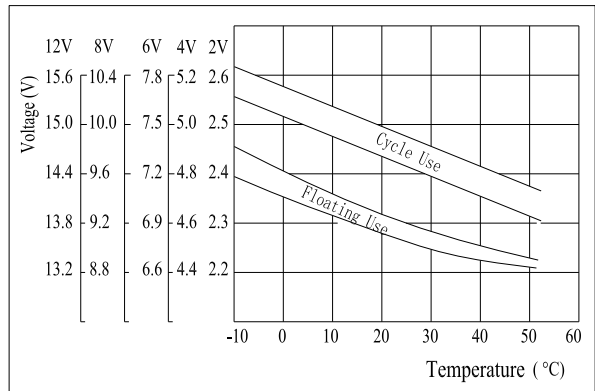
**Effect of Temperature on Capacity**



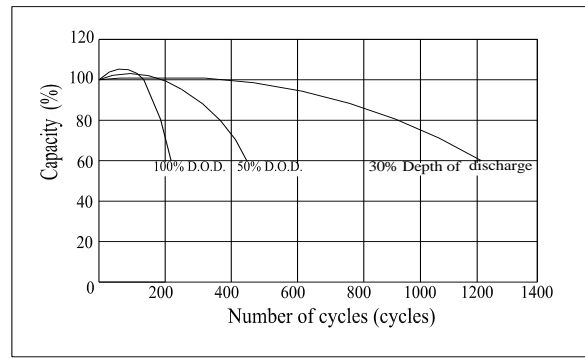
**Charging Characteristics(25°C)**



**The Relationship for Charging Voltage and Temperature**



**Cycle Life on D.O.D(25°C)**



**Self-discharge Characteristics**

