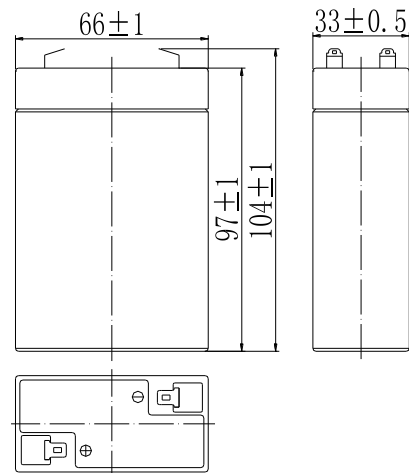
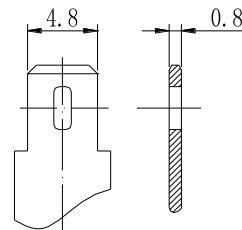


**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	2.8Ah
	10HR(5.25V)	2.6Ah
	1HR(4.80V)	1.8Ah
Dimension	Length	66 ± 1mm (2.60inch)
	Width	33 ± 0.5mm (1.30inch)
	Height	97 ± 1mm (3.82inch)
	Total Height	104 ± 1mm (4.09inch)
Approx. Weight		0.5kg (1.1lbs) ± 5%
Terminal type		F1
Internal resistance (Fully charged, 25°C)		Approx. 32mΩ
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		0.84A
Maximum discharge current		42A(5 sec.)
Designed floating life(20°C)		5 years

**Dimensions**

**Terminal**


F1

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	10.7	6.78	5.29	2.98	1.83	1.00	0.69	0.57	0.49	0.27	0.14
4.95V	10.4	6.57	5.16	2.92	1.81	1.00	0.69	0.57	0.49	0.26	0.14
5.10V	9.95	6.30	4.97	2.83	1.76	0.99	0.69	0.57	0.48	0.26	0.14
5.25V	9.52	6.03	4.81	2.76	1.73	0.97	0.68	0.56	0.48	0.26	0.14
5.40V	8.98	5.69	4.55	2.66	1.67	0.95	0.66	0.55	0.46	0.26	0.14

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

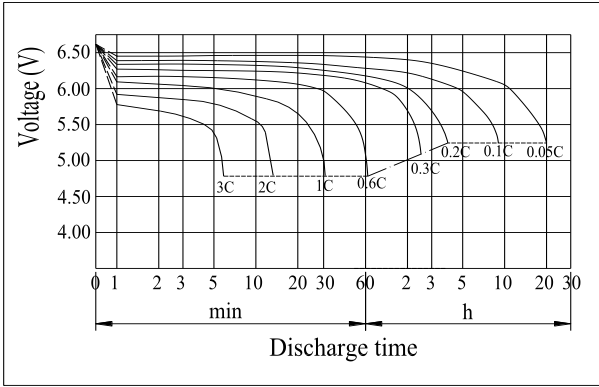
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	59.7	38.2	30.2	17.1	10.6	5.87	4.12	3.42	2.92	1.59	0.85
4.95V	57.9	37.1	29.4	16.7	10.5	5.83	4.10	3.40	2.90	1.58	0.85
5.10V	55.5	35.5	28.4	16.2	10.2	5.78	4.07	3.37	2.88	1.58	0.85
5.25V	53.1	34.0	27.4	15.8	10.0	5.70	4.04	3.35	2.86	1.57	0.84
5.40V	50.1	32.1	25.9	15.3	9.68	5.55	3.92	3.25	2.77	1.54	0.82

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

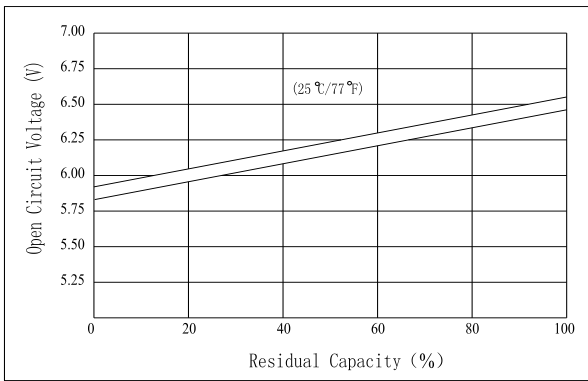
**Construction**

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

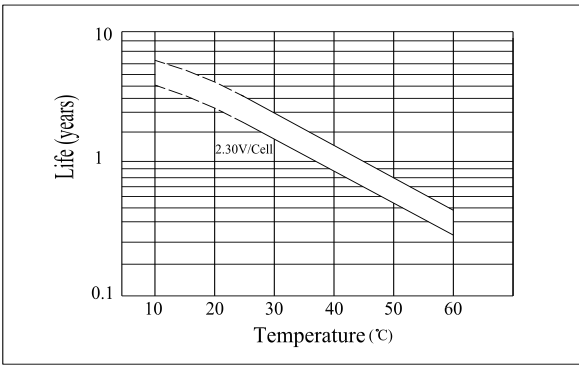
**Discharge Characteristics(25°C)**



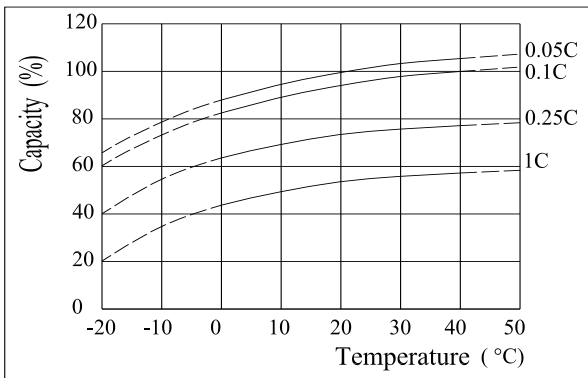
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



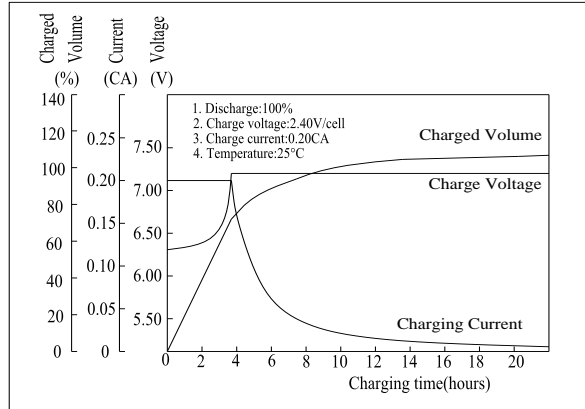
**Floating Life on Temperature**



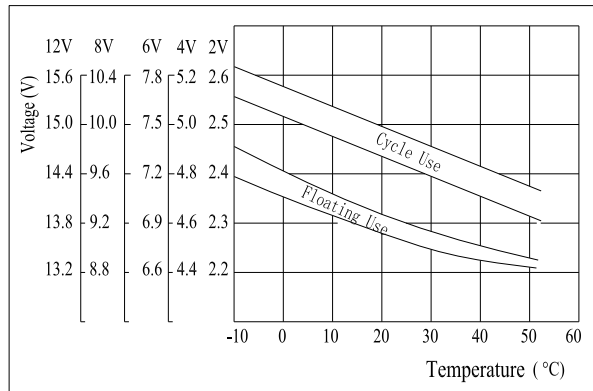
**Effect of Temperature on Capacity**



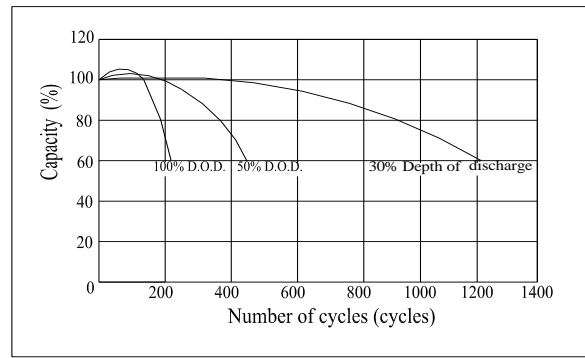
**Charging Characteristics(25°C)**



**The Relationship for Charging Voltage and Temperature**



**Cycle Life on D.O.D(25°C)**



**Self-discharge Characteristics**

