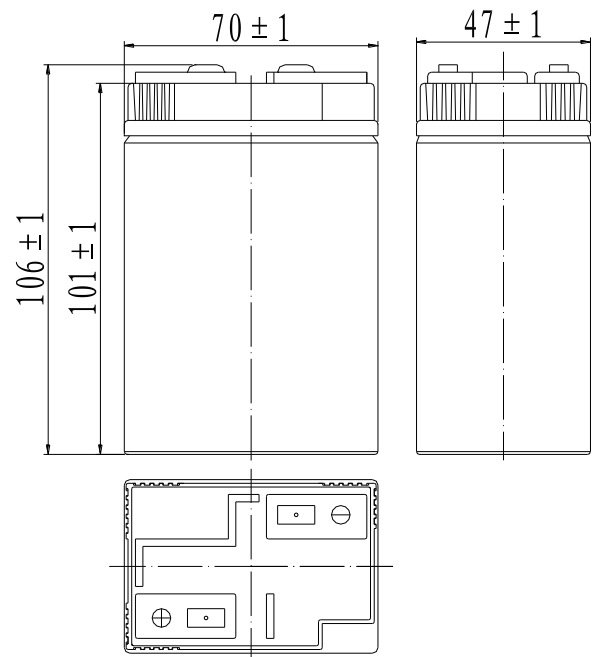


**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	4.0Ah
	10HR(5.25V)	3.7Ah
	1HR(4.80V)	2.5Ah
Dimension	Length	70 ± 1mm (2.76inch)
	Width	47 ± 1mm (1.85inch)
	Height	101 ± 1mm (3.98inch)
	Total Height	106 ± 1mm (4.17inch)
Approx. Weight		0.68kg (1.50lbs) ± 5%
Terminal type		/
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		1.2A
Maximum discharge current		60A(5 sec.)
Designed floating life(20°C)		5 years

**Dimensions**

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	14.8	9.39	7.33	4.13	2.54	1.43	0.99	0.82	0.70	0.38	0.20
4.95V	14.4	9.11	7.16	4.05	2.50	1.42	0.99	0.82	0.69	0.38	0.20
5.10V	13.8	8.73	6.89	3.93	2.44	1.41	0.98	0.81	0.69	0.38	0.20
5.25V	13.2	8.36	6.66	3.83	2.39	1.39	0.97	0.80	0.68	0.37	0.20
5.40V	12.5	7.89	6.31	3.69	2.32	1.36	0.94	0.78	0.66	0.37	0.20

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

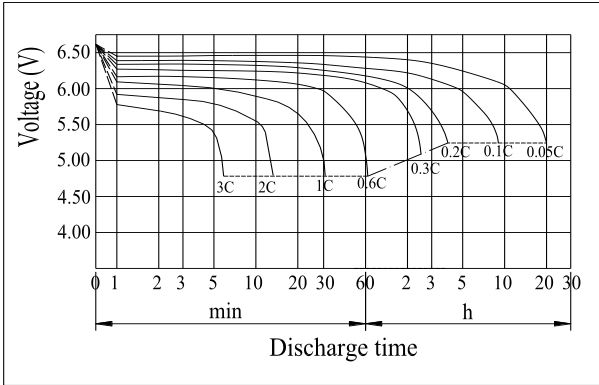
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	82.7	53.0	41.8	23.7	14.7	8.38	5.89	4.88	4.17	2.27	1.22
4.95V	80.2	51.4	40.8	23.2	14.5	8.33	5.85	4.85	4.14	2.26	1.21
5.10V	76.9	49.3	39.3	22.5	14.1	8.26	5.81	4.82	4.11	2.25	1.21
5.25V	73.6	47.1	38.0	21.9	13.8	8.14	5.77	4.79	4.08	2.24	1.20
5.40V	69.5	44.5	35.9	21.1	13.4	7.93	5.60	4.64	3.96	2.19	1.18

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

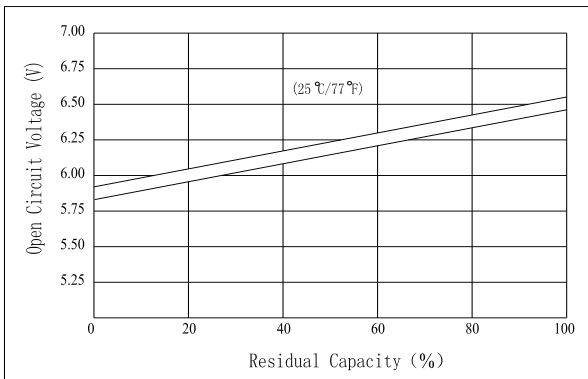
**Construction**

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

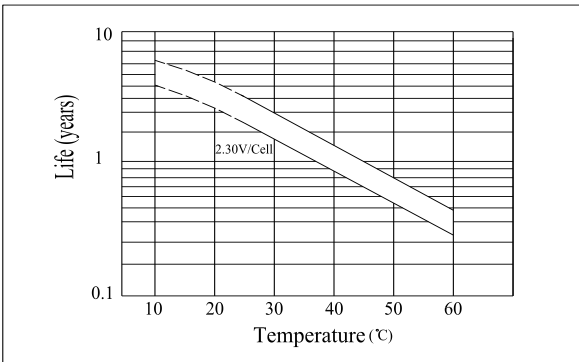
**Discharge Characteristics(25°C)**



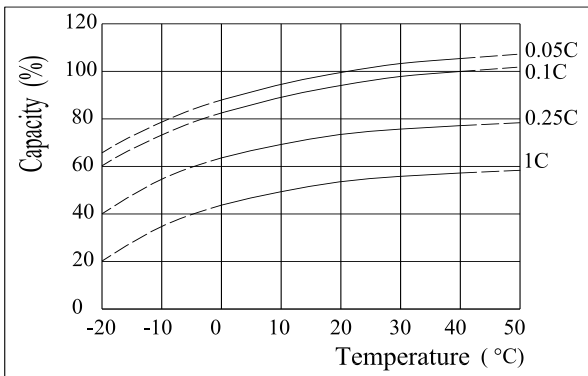
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



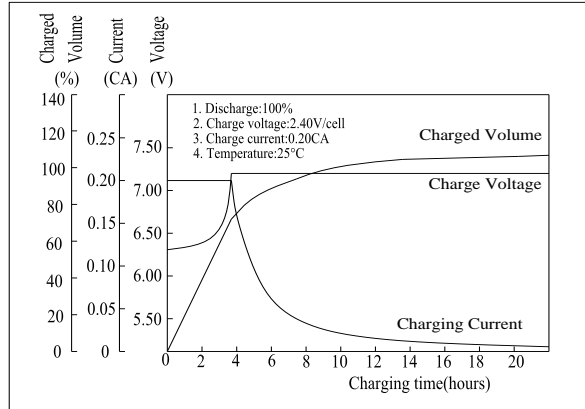
**Floating Life on Temperature**



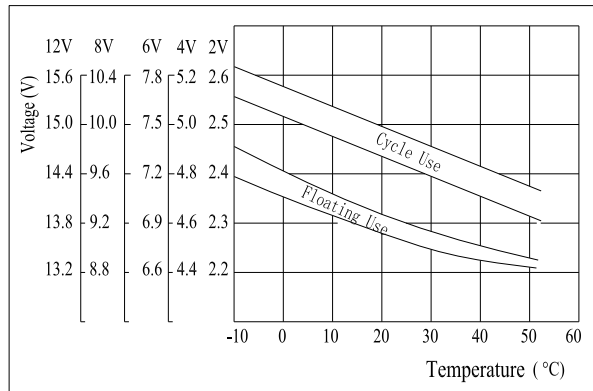
**Effect of Temperature on Capacity**



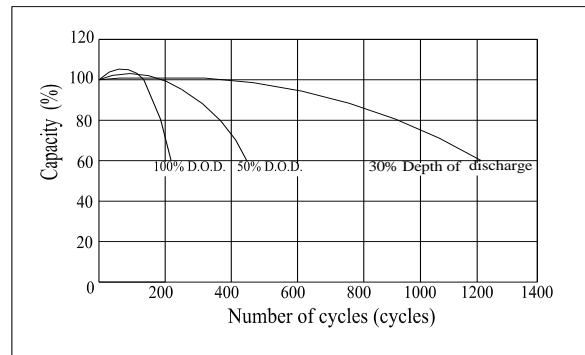
**Charging Characteristics(25°C)**



**The Relationship for Charging Voltage and Temperature**



**Cycle Life on D.O.D(25°C)**



**Self-discharge Characteristics**

