

**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	14Ah
	10HR(5.25V)	13Ah
	1HR(4.80V)	9.1Ah
Dimension	Length	108 ± 1mm (4.25inch)
	Width	71 ± 1mm (2.80inch)
	Height	140 ± 2mm (5.51inch)
	Total Height	140 ± 2mm (5.51inch)
Approx. Weight		2.25kg (4.96lbs) ± 5%
Terminal type		+T2/-T1
Internal resistance (Fully charged, 25°C)		Approx. 10mΩ
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 7.45V Temperature compensation: -15mV/°C
Maximum charging current		4.2A
Terminal material		Copper
Maximum discharge current		40A(5 sec.)
Designed floating life(20°C)		3~5 years

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

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

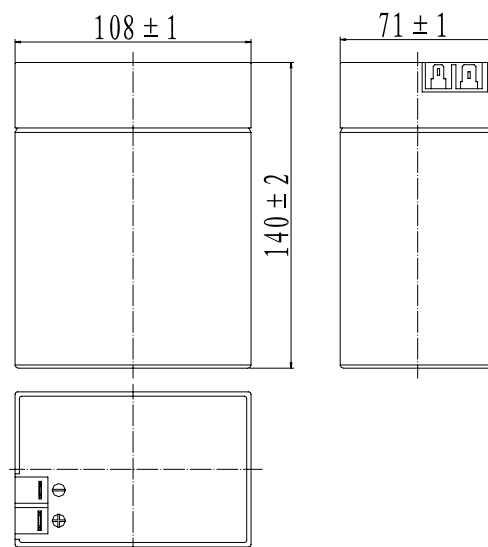
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	--	--	--	9.10	4.97	3.57	2.86	2.43	1.57	1.32	0.71
4.95V	--	--	--	8.96	4.94	3.55	2.84	2.41	1.56	1.32	0.71
5.10V	--	--	--	8.74	4.90	3.52	2.82	2.40	1.55	1.31	0.70
5.25V	--	--	--	8.56	4.83	3.50	2.80	2.38	1.54	1.30	0.70
5.40V	--	--	--	8.30	4.70	3.40	2.72	2.31	1.49	1.28	0.69

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

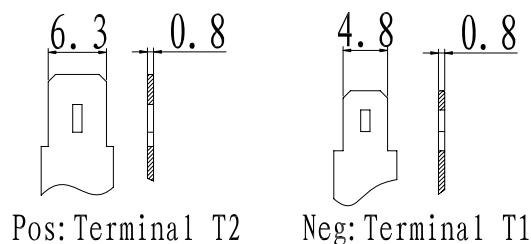
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	--	--	--	52.7	29.1	21.2	17.0	14.5	9.42	7.93	4.26
4.95V	--	--	--	51.9	28.9	21.1	16.9	14.4	9.37	7.90	4.25
5.10V	--	--	--	50.6	28.7	20.9	16.8	14.3	9.30	7.86	4.23
5.25V	--	--	--	49.6	28.2	20.8	16.7	14.2	9.24	7.81	4.20
5.40V	--	--	--	48.1	27.5	20.2	16.2	13.8	8.96	7.66	4.12

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

**Dimensions**



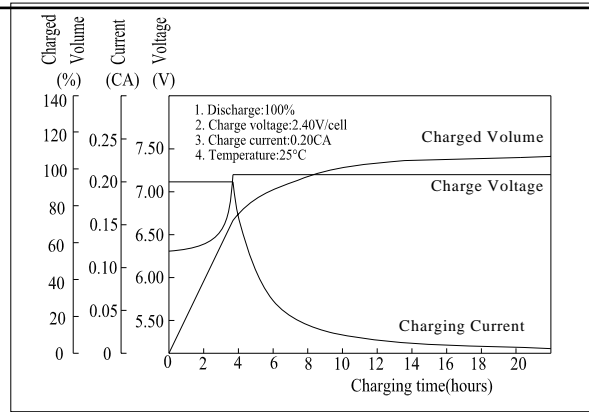
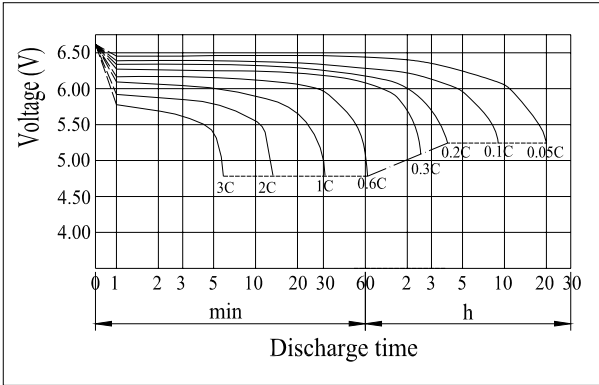
**Terminal**



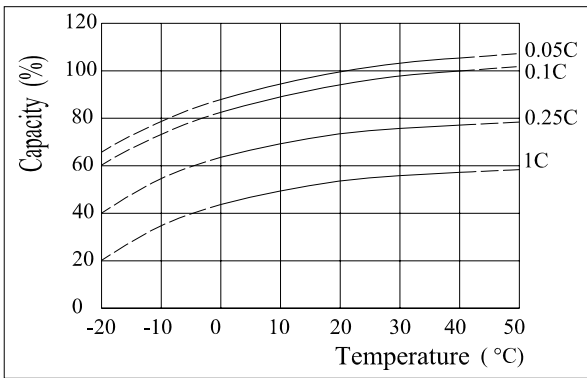
Pos: Terminal T2

Neg: Terminal T1

**Discharge Characteristics(25°C)**



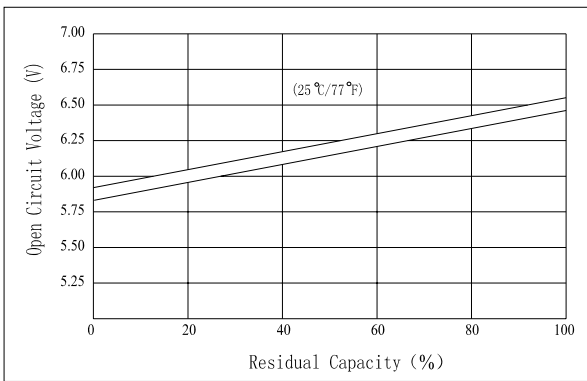
**Effect of Temperature on Capacity**



**Self-discharge Characteristics**



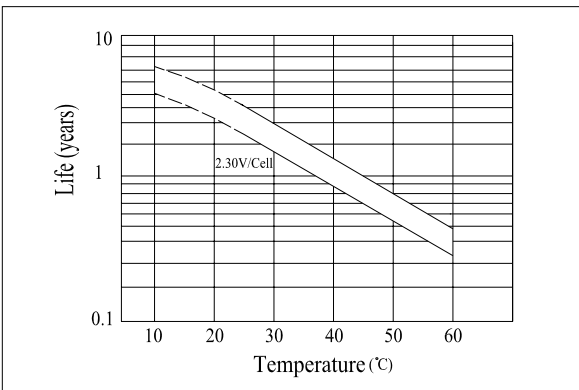
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



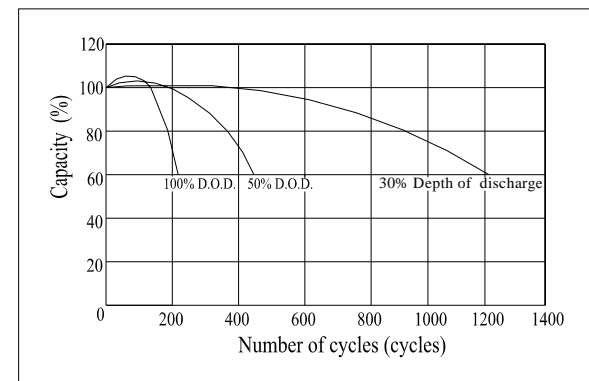
**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Charging Characteristics(25°C)**