

**Specifications**

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	36 Ah
	5HR(5.25V)	31.5Ah
	1HR(4.80V)	22.3Ah
Dimension	Length	162 ± 2mm (6.38inch)
	Width	88 ± 1mm (3.46inch)
	Height	164 ± 2mm (6.46inch)
	Total Height	170 ± 2mm (6.69inch)
Approx. Weight		5.5kg (12.1lbs) ± 4%
Terminal type		T2
Internal resistance (Fully charged, 25°C)		Approx. 4.5m Ω
Capacity affected by temperature (10HR)	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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.45V Temperature compensation: -15mV/°C
Maximum charging current		10.8A
Terminal material		Copper
Maximum discharge current		180A(5 sec.)
Designed floating life(20°C)		12 years

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

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

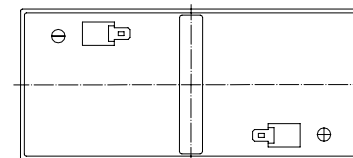
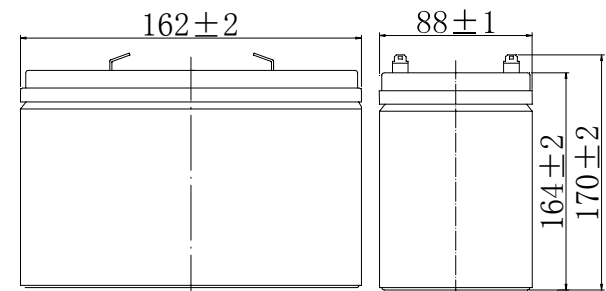
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	--	--	22.3	13.2	9.18	7.53	6.43	5.62	4.41	3.66	1.92
4.95V	--	--	22.0	13.1	9.13	7.48	6.39	5.59	4.38	3.66	1.92
5.10V	--	--	21.4	13.0	9.06	7.43	6.34	5.55	4.35	3.65	1.91
5.25V	--	--	21.0	12.8	9.00	7.38	6.30	5.51	4.32	3.63	1.90
5.40V	--	--	20.4	12.4	8.73	7.16	6.11	5.34	4.19	3.60	1.89

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

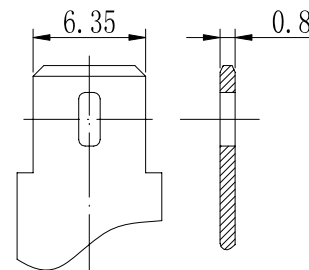
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	--	--	127	76.2	54.0	44.3	38.0	33.2	26.2	21.9	11.5
4.95V	--	--	125	75.7	53.7	44.0	37.8	33.0	26.0	21.8	11.5
5.10V	--	--	122	75.0	53.3	43.7	37.5	32.8	25.8	21.8	11.5
5.25V	--	--	120	73.9	52.9	43.4	37.2	32.6	25.7	21.6	11.4
5.40V	--	--	116	72.0	51.3	42.1	36.1	31.6	24.9	21.5	11.3

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

**Dimensions**

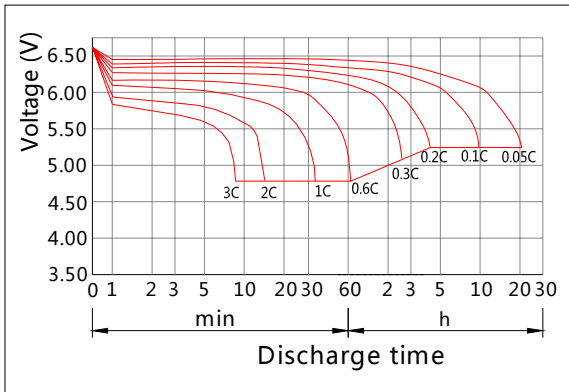


**Terminal**

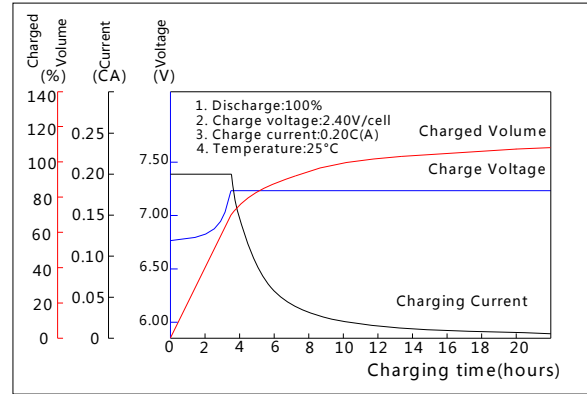


Terminal T2

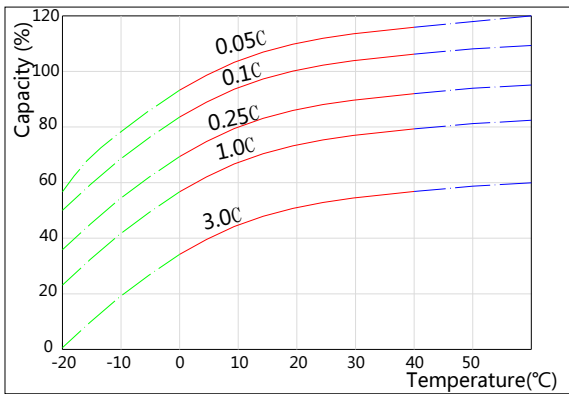
**Discharge Characteristics(25°C)**



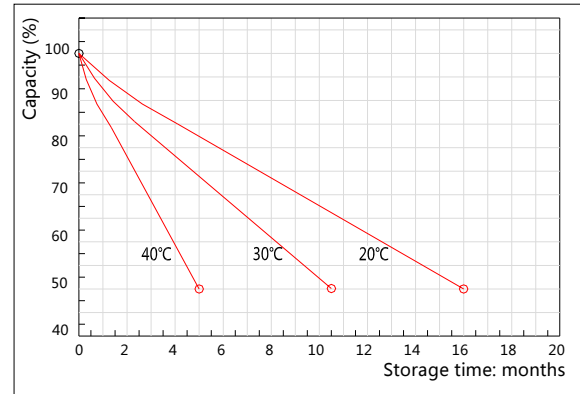
**Charging Characteristics(25°C)**



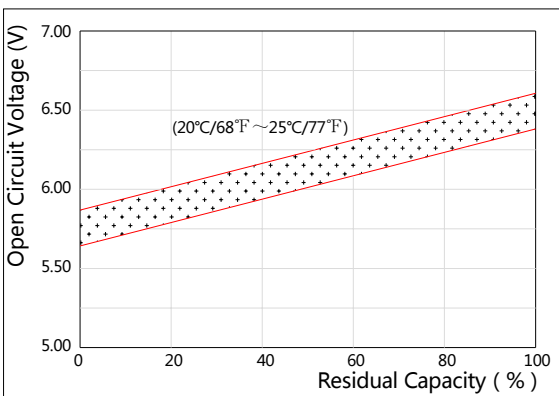
**Effect of Temperature on Capacity**



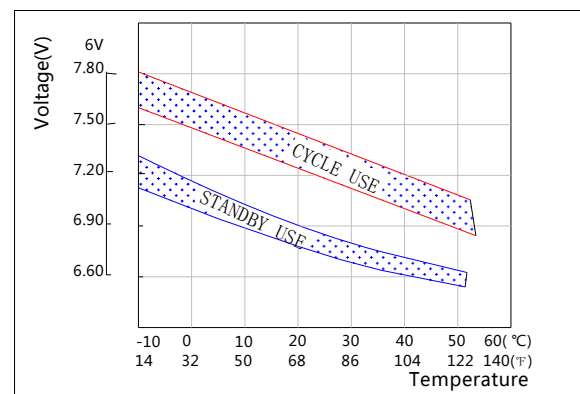
**Self-discharge Characteristics**



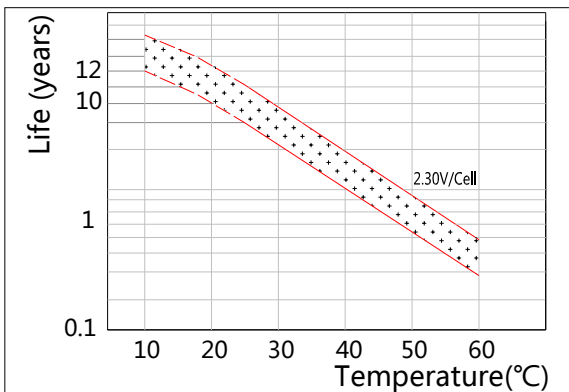
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

