

Specifications

Nominal Voltage		6 V
Capacity (25℃)	10HR(5.40V)	45 Ah
	5HR(5.25V)	39.4Ah
	1HR(4.80V)	27.9Ah
Dimension	Length	162±2mm (6.38inch)
	Width	88±1mm (3.46inch)
	Height	164±2mm (6.46inch)
	Total Height	170±2mm (6.69inch)
Approx. Weight		6.4kg (14.1lbs)±4%
Terminal type		T2
Internal resistance (Fully charged, 25℃)		Approx. 4mΩ
Capacity affected by temperature (10HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77°F±5°F)
Operating temperature range	Discharge	-15℃~50℃(5°F~122°F)
	Charge	-10℃~50℃(14°F~122°F)
	Storage	-20℃~50℃(-4°F~122°F)
Float charging voltage(25℃)		6.75 to 6.90V Temperature compensation: -9mV/℃
Cyclic charging voltage(25℃)		7.25 to 7.45V Temperature compensation: -15mV/℃
Maximum charging current		13.5A
Terminal material		Copper
Maximum discharge current		180A(5 sec.)
Designed floating life(20℃)		12 years

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

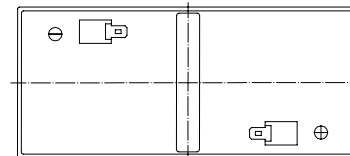
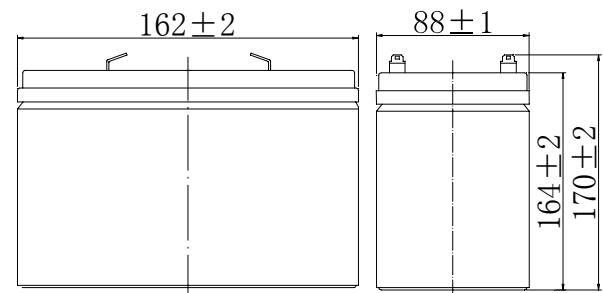
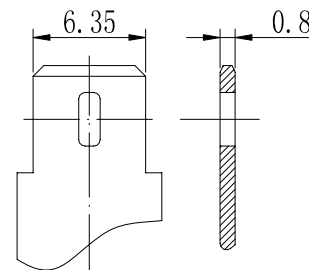
Constant Current Discharge Characteristics (A, 25℃)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	---	---	27.9	16.4	11.5	9.41	8.03	7.02	5.51	4.58	2.41
4.95V	---	---	27.5	16.3	11.4	9.35	7.99	6.98	5.48	4.57	2.40
5.10V	---	---	26.8	16.2	11.3	9.29	7.93	6.93	5.44	4.56	2.39
5.25V	---	---	26.3	16.0	11.3	9.23	7.88	6.89	5.40	4.53	2.38
5.40V	---	---	25.4	15.6	10.9	8.95	7.64	6.68	5.24	4.50	2.36

Constant Power Discharge Characteristics (Watt, 25℃)

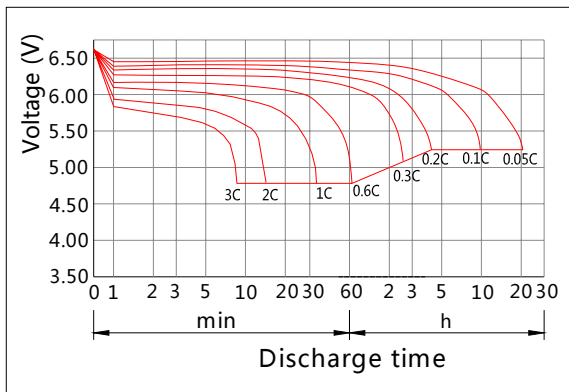
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	---	---	159	95.2	67.5	55.3	47.5	41.5	32.7	27.3	14.4
4.95V	---	---	157	94.6	67.1	55.0	47.2	41.3	32.5	27.3	14.4
5.10V	---	---	153	93.8	66.6	54.6	46.9	41.0	32.3	27.2	14.4
5.25V	---	---	150	92.4	66.2	54.2	46.5	40.7	32.1	27.1	14.3
5.40V	---	---	145	90.0	64.2	52.6	45.1	39.5	31.1	26.9	14.2

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

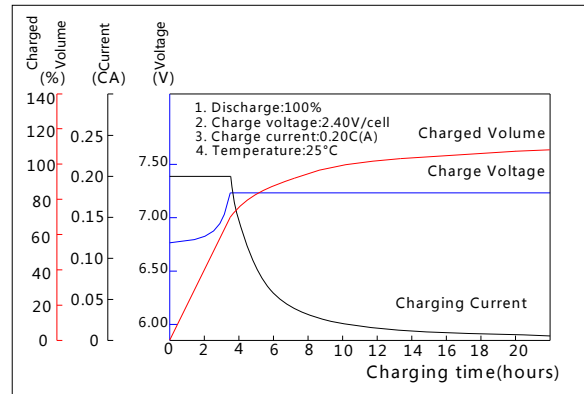
Dimensions**Terminal**

Terminal T2

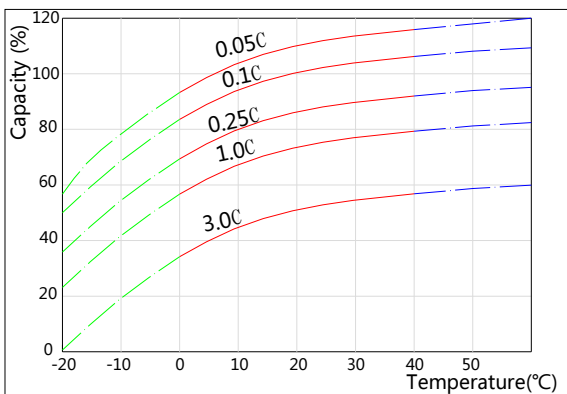
Discharge Characteristics(25°C)



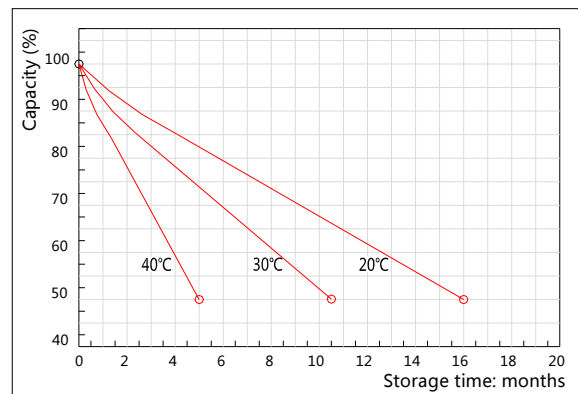
Charging Characteristics(25°C)



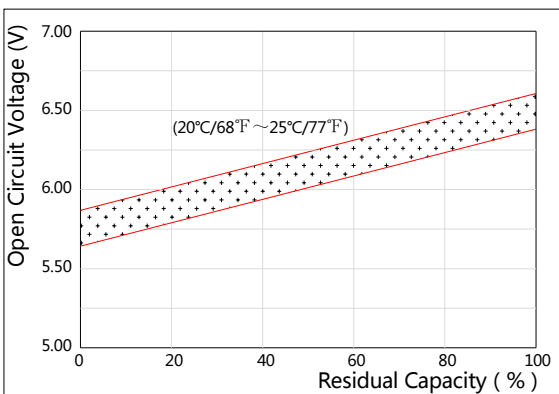
Effect of Temperature on Capacity



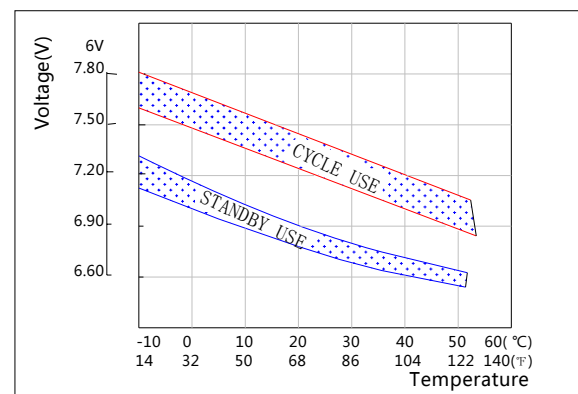
Self-discharge Characteristics



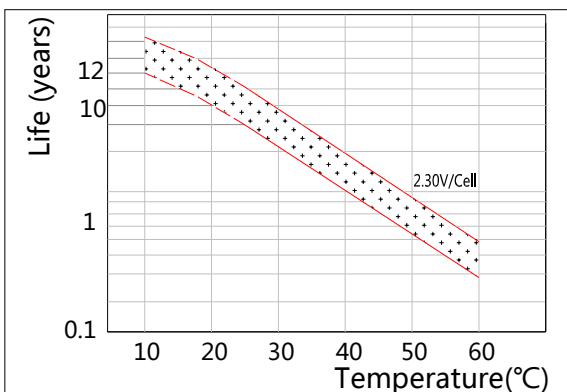
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

