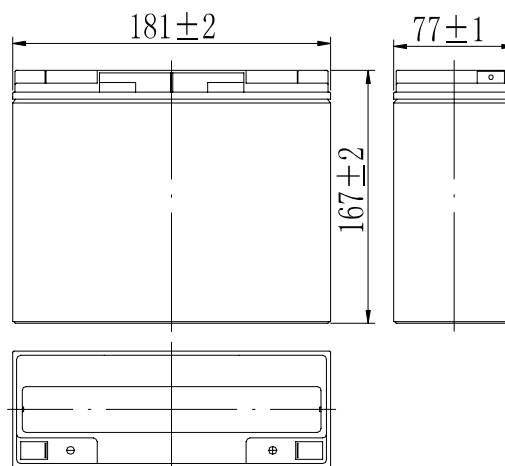


**Specifications**

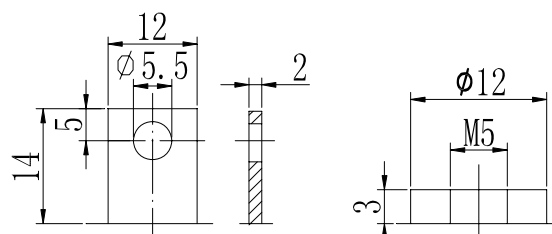
Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	17Ah
	10HR(10.5V)	15.8Ah
	1HR(9.60V)	11.1Ah
Dimension	Length	181 ± 2mm (7.13inch)
	Width	77 ± 1mm (3.03inch)
	Height	167 ± 2mm (6.57inch)
	Total Height	167 ± 2mm (6.57inch)
Approx. Weight		5.1kg (11.2lbs) ± 4%
Terminal type		T3/T8
Internal resistance (Fully charged, 25°C)		Approx. 17m Ω
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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		5.1A
Terminal material		Copper
Maximum discharge current		255A(5 sec.)
Designed floating life(20°C)		10years



**Dimensions**



**Terminal**



Terminal T3

Terminal T8

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

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

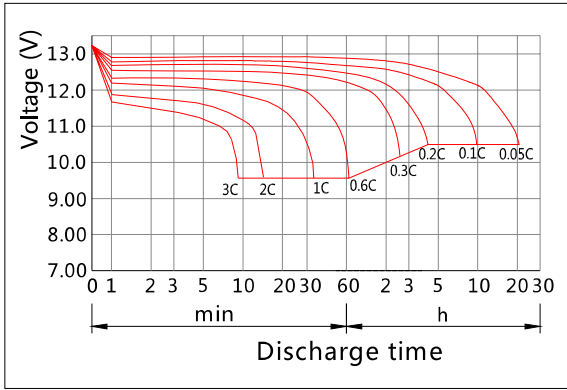
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	40.8	32.3	18.0	11.1	6.04	4.34	3.47	2.95	1.91	1.60	0.86
9.90V	39.6	31.5	17.7	10.9	6.00	4.31	3.45	2.93	1.90	1.60	0.86
10.2V	37.9	30.4	17.1	10.6	5.95	4.28	3.42	2.91	1.88	1.59	0.86
10.5V	36.3	29.3	16.7	10.4	5.86	4.25	3.40	2.89	1.87	1.58	0.85
10.8V	34.3	27.8	16.1	10.1	5.71	4.12	3.30	2.80	1.81	1.55	0.83

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

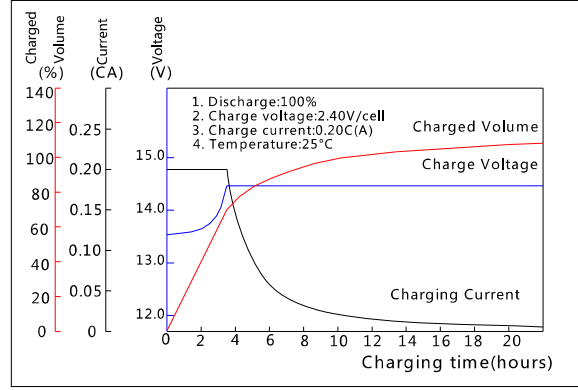
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	460	368	207	128	70.7	51.5	41.3	35.2	22.9	19.3	10.4
9.90V	446	359	202	126	70.2	51.2	41.1	35.0	22.8	19.2	10.3
10.2V	428	346	196	123	69.6	50.8	40.8	34.7	22.6	19.1	10.3
10.5V	410	334	191	120	68.6	50.5	40.5	34.5	22.4	19.0	10.2
10.8V	387	317	184	117	66.8	49.0	39.3	33.5	21.8	18.6	10.0

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

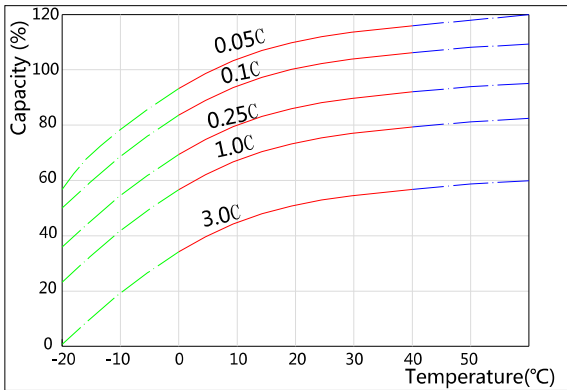
**Discharge Characteristics(25°C)**



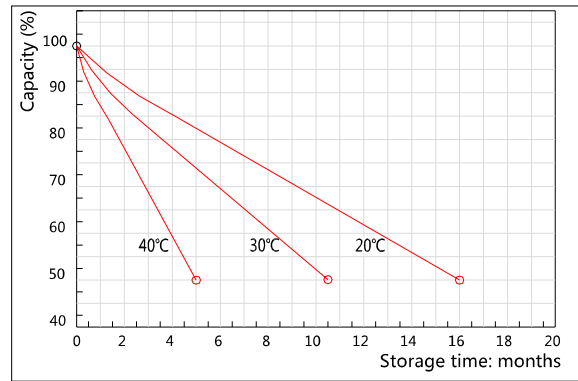
**Charging Characteristics(25°C)**



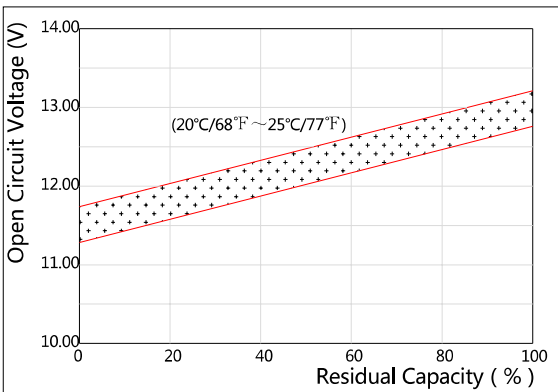
**Effect of Temperature on Capacity**



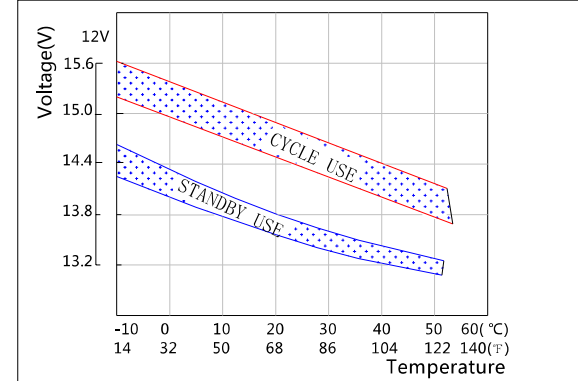
**Self-discharge Characteristics**



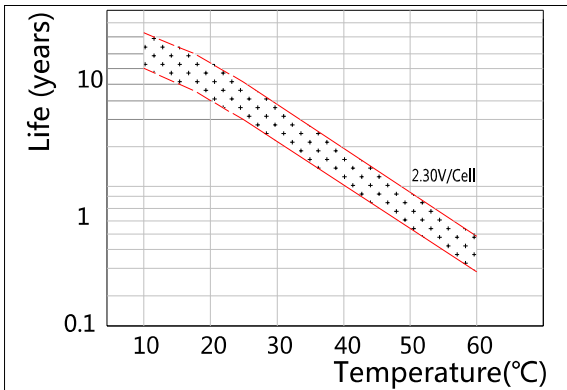
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

