

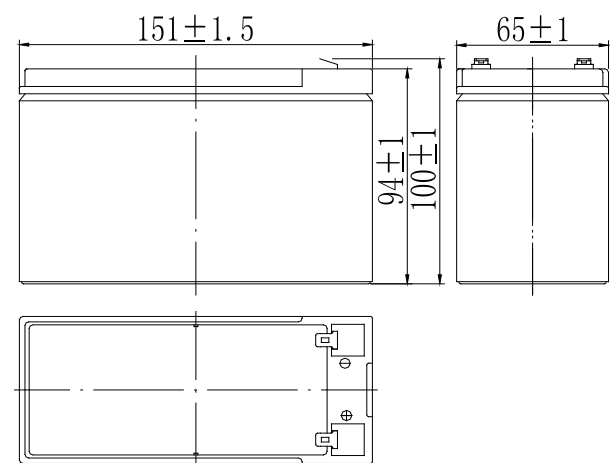
Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	6.2Ah
	10HR(10.5V)	5.8Ah
	1HR(9.60V)	4.03Ah
Dimension	Length	151±1.5mm (5.94inch)
	Width	65±1mm (2.56inch)
	Height	94±1mm (3.70inch)
	Total Height	100±1mm (3.94inch)
Approx. Weight		1.85kg (4.08lbs)±5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 30mΩ
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		1.86A
Terminal material		Copper
Maximum discharge current		93A(5 sec.)
Designed floating life(20°C)		10years

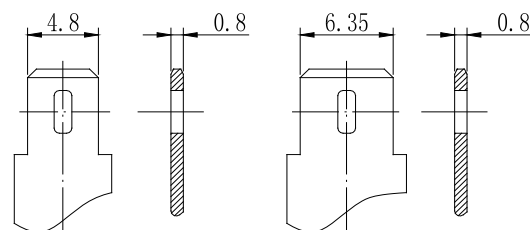
- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.



Dimensions



Terminal



Terminal T1

Terminal T2

Constant Current Discharge Characteristics (A, 25°C)

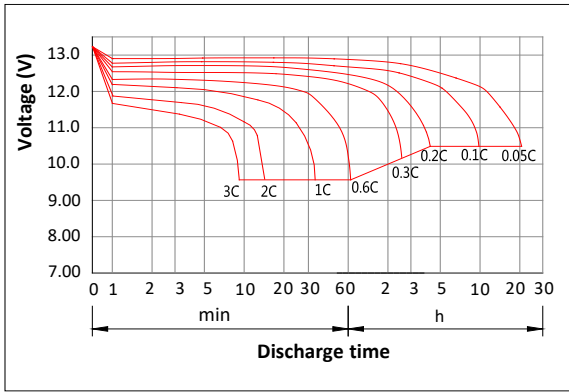
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	14.9	11.78	6.57	4.03	2.2	1.58	1.26	1.08	0.70	0.59	0.31
9.90V	14.4	11.5	6.44	3.97	2.19	1.57	1.26	1.07	0.69	0.58	0.31
10.2V	13.8	11.07	6.24	3.87	2.17	1.56	1.25	1.06	0.69	0.58	0.31
10.5V	13.2	10.7	6.09	3.79	2.14	1.55	1.24	1.05	0.69	0.58	0.31
10.8V	12.5	10.13	5.87	3.68	2.08	1.5	1.2	1.02	0.67	0.57	0.3

Constant Power Discharge Characteristics (Watt, 25°C)

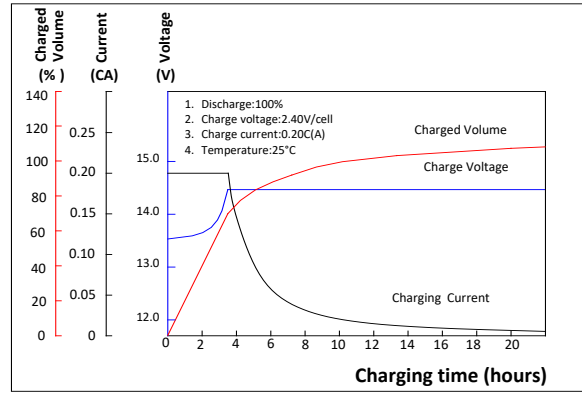
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	168	134	75.3	46.7	25.8	18.8	15.1	12.8	8.33	7.02	3.78
9.90V	163	131	73.8	46	25.6	18.7	15	12.8	8.31	7	3.76
10.2V	156	126	71.5	44.8	25.4	18.5	14.9	12.7	8.24	6.96	3.74
10.5V	149	122	69.8	43.9	25	18.4	14.8	12.6	8.16	6.92	3.72
10.8V	141	115.5	67.3	42.6	24.4	17.9	14.3	12.2	7.95	6.78	3.65

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

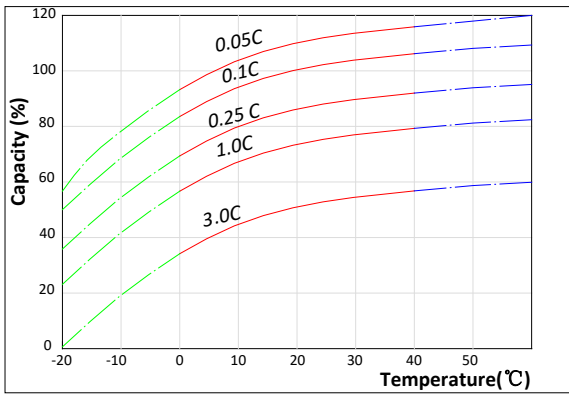
Discharge Characteristics (25°C)



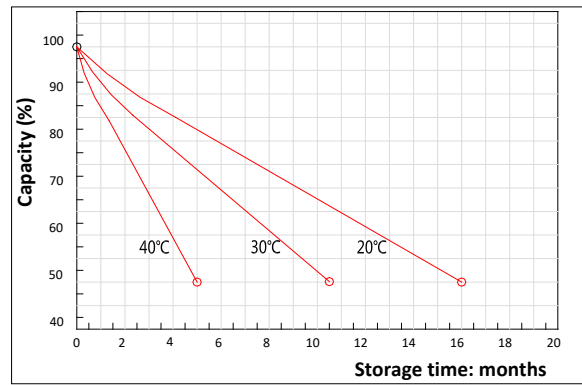
Charging Characteristics (25°C)



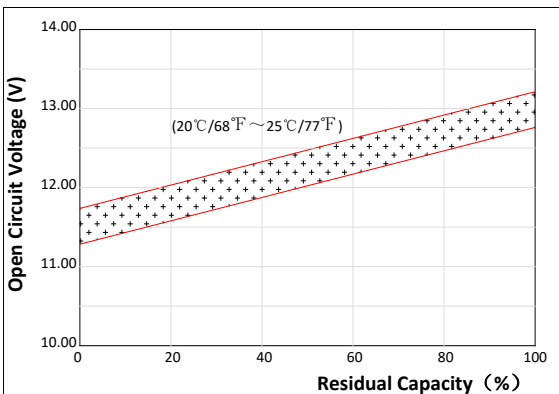
Effect of Temperature on Capacity



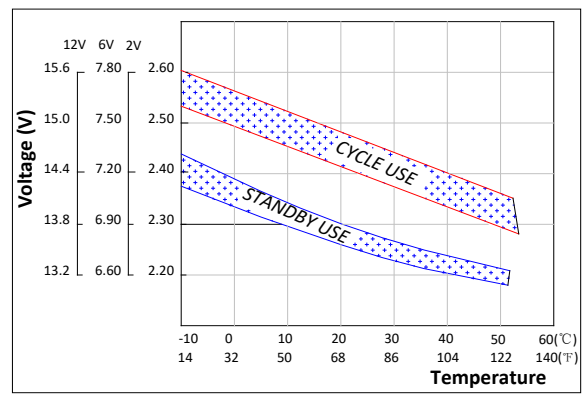
Self-discharge Characteristics



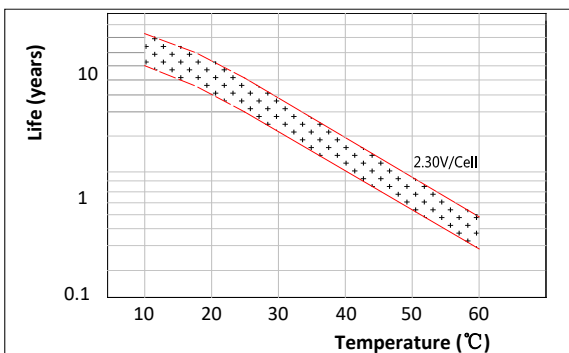
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D. (25°C)

