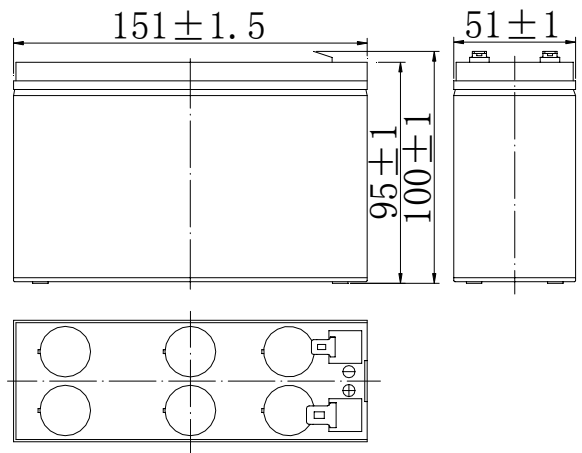


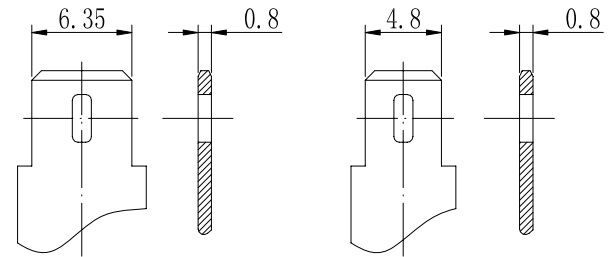
Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	6.5Ah
	10HR(10.5V)	6Ah
	1HR(9.60V)	4.23Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	51 ± 1mm (2.01inch)
	Height	95 ± 1mm (3.74inch)
	Total Height	101 ± 1mm (3.98inch)
Approx. Weight		1.9kg (4.19lbs) ± 5%
Terminal type		T2/T1
Internal resistance (Fully charged, 25°C)		Approx. 24mΩ
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	1.95A	
Terminal material	Copper	
Maximum discharge current	97.5A(5 sec.)	
Designed floating life(20°C)	10years	

Dimensions



Terminal



Terminal T2

Terminal T1

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

Constant Current Discharge Characteristics (A, 25°C)

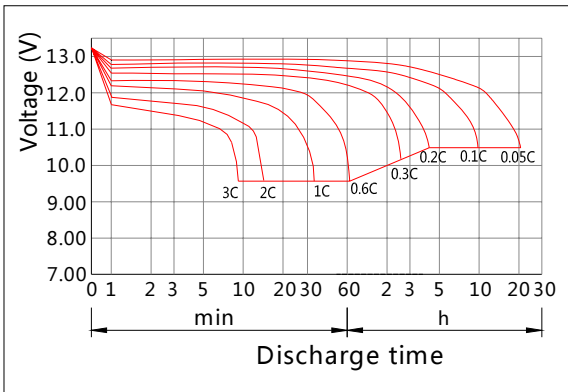
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	24.7	15.6	12.4	6.89	4.23	2.31	1.66	1.33	1.13	0.61	0.33
9.90V	24.0	15.1	12.1	6.75	4.16	2.30	1.65	1.32	1.12	0.61	0.33
10.2V	23.0	14.5	11.6	6.55	4.06	2.28	1.64	1.31	1.11	0.61	0.33
10.5V	22.0	13.9	11.2	6.39	3.98	2.24	1.63	1.30	1.11	0.60	0.33
10.8V	20.7	13.1	10.6	6.15	3.85	2.18	1.58	1.26	1.07	0.59	0.32

Constant Power Discharge Characteristics (Watt, 25°C)

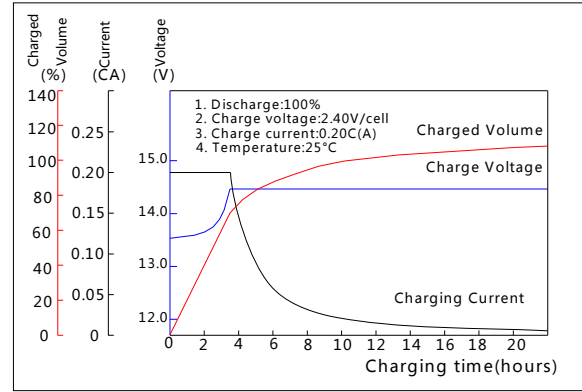
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	276	176	141	79.0	48.9	27.0	19.7	15.8	13.5	7.36	3.96
9.90V	267	171	137	77.4	48.2	26.9	19.6	15.7	13.4	7.33	3.94
10.2V	256	164	132	75.0	47.0	26.6	19.4	15.6	13.3	7.30	3.92
10.5V	245	157	128	73.2	46.0	26.2	19.3	15.5	13.2	7.25	3.90
10.8V	232	148	121	70.5	44.6	25.6	18.7	15.0	12.8	7.11	3.82

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

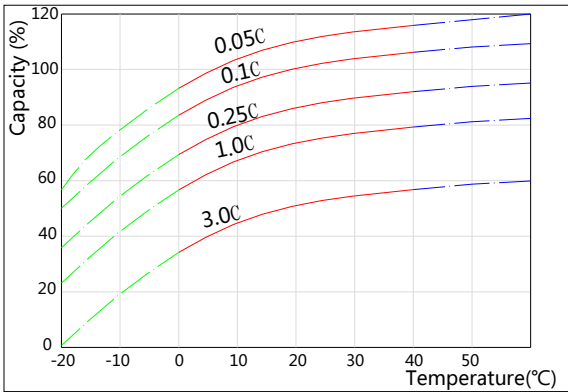
**Discharge Characteristics(25°C)**



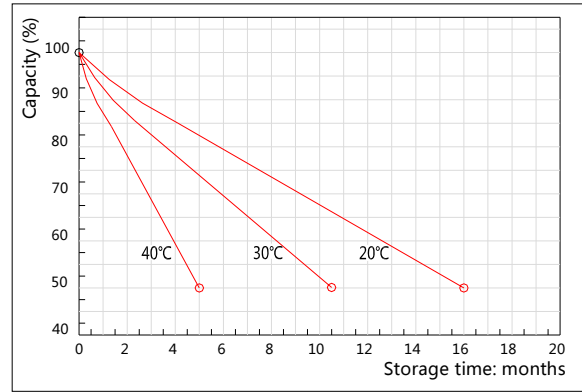
**Charging Characteristics(25°C)**



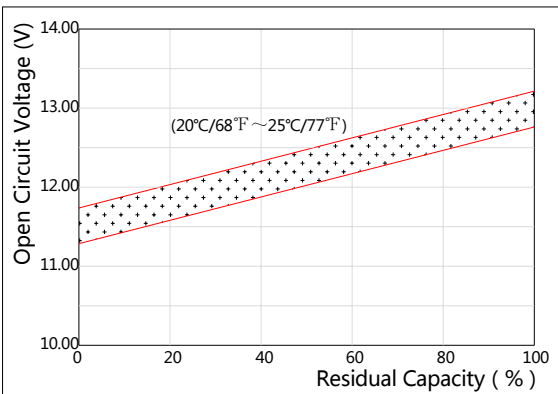
**Effect of Temperature on Capacity**



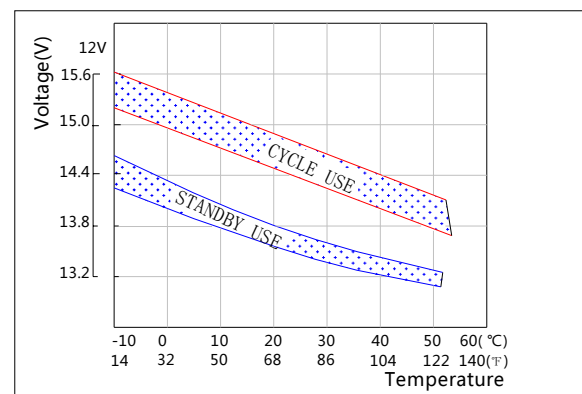
**Self-discharge Characteristics**



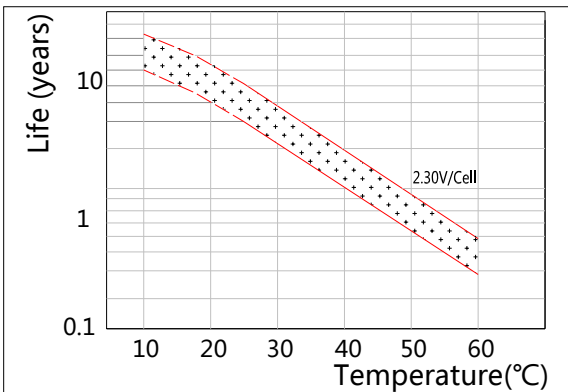
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

