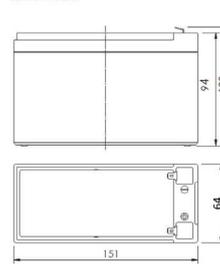
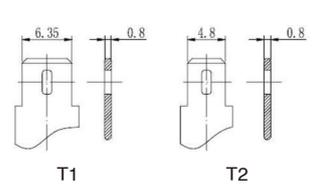




Dimensions



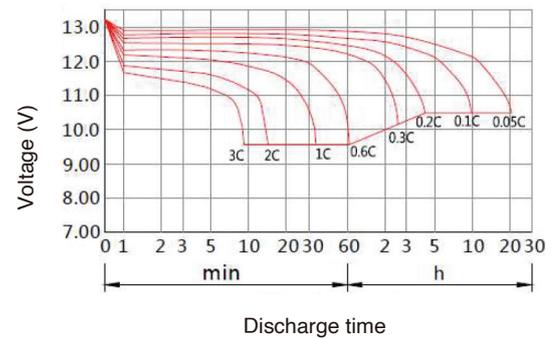
Terminal



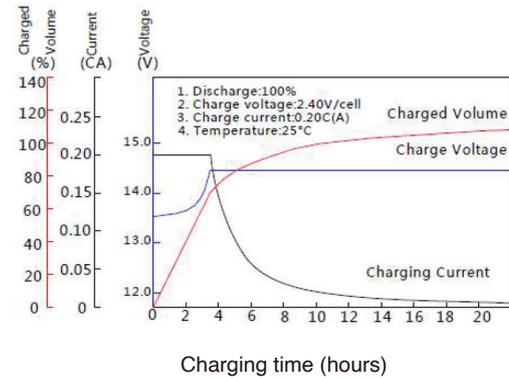
Specifications

Nominal Voltage		12V
Capacity (25°C)	20HR (10.5V)	6.5Ah
	10HR (10.5V)	6Ah
	1HR (9.60V)	4.23Ah
Dimensions	Length	151 ± 1mm (5.94inch)
	Width	64 ± 1mm (2.52inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	100 ± 1mm (3.90inch)
Approx. Weight		1.70kg (3.75lbs) ± 5%
Terminal type		T1/T2
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)
Floating charging voltage (25°C)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cycling charging current		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		1.95A
Terminal material		Copper
Maximum discharging current		97.5A (5sec.)
Design floating life (20°C)		10 years

Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Constant Current Discharge Characteristics (A, 25°C)

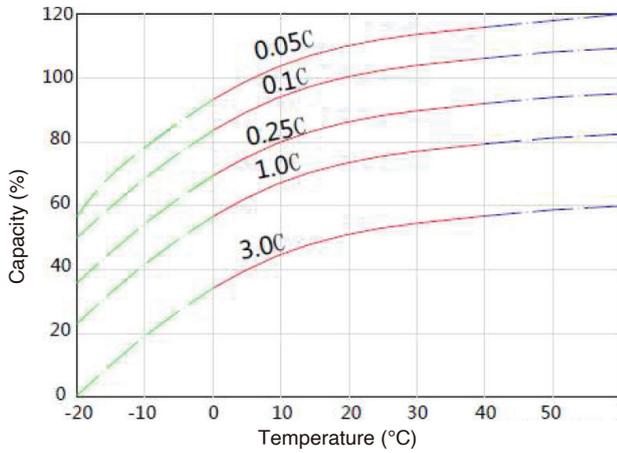
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	24.7	15.6	12.4	6.89	4.23	2.31	1.66	1.33	1.13	0.61	0.33
9.90V	24.0	15.1	12.1	6.75	4.16	2.30	1.65	1.32	1.12	0.61	0.33
10.2V	23.0	14.5	11.6	6.55	4.06	2.28	1.64	1.31	1.11	0.61	0.33
10.5V	22.0	13.9	11.2	6.39	3.98	2.24	1.63	1.30	1.11	0.61	0.33
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 Current Discharge Characteristics (Watt, 25°C)

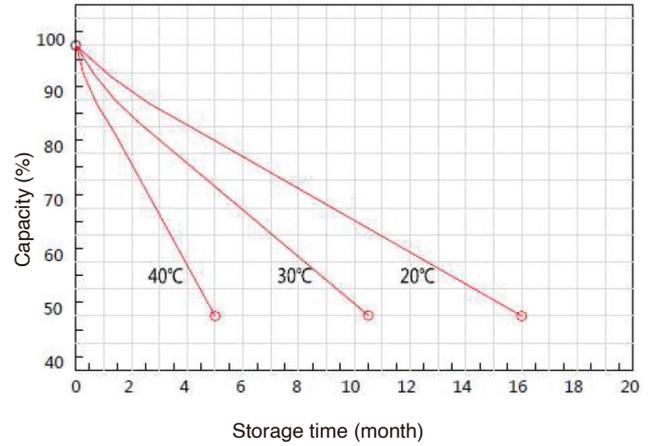
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	276	176	141	79.0	48.9	27.0	19.7	15.8	13.5	7.36	3.96
9.90V	267	171	137	77.4	48.2	26.9	19.6	15.7	13.4	7.33	3.94
10.2V	156	164	132	75.0	47.0	26.6	19.5	15.6	13.3	7.30	3.92
10.5V	145	157	128	73.2	46.0	26.2	19.3	15.5	13.2	7.25	3.90
10.8V	132	148	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.

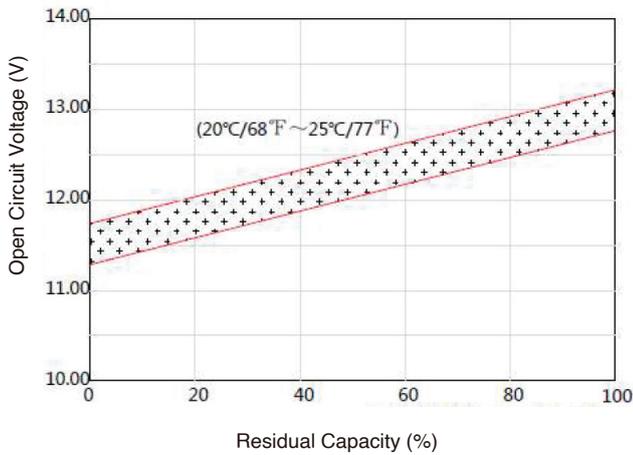
Effect of Temperature on Capacity



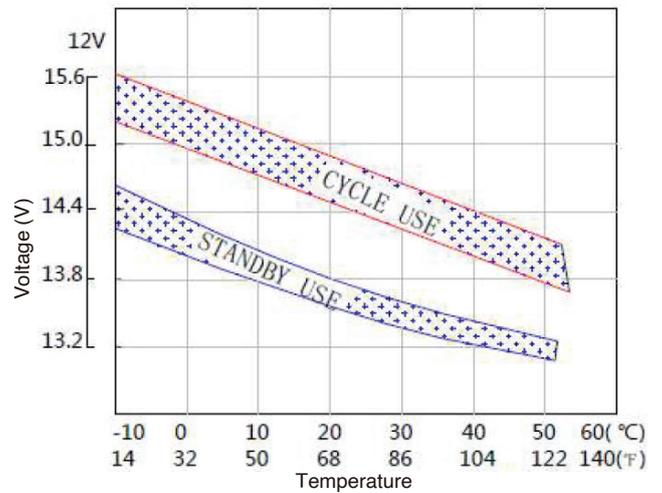
Self-discharge Characteristic



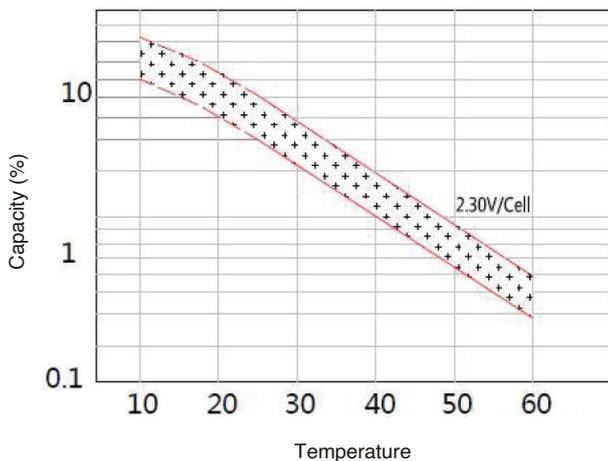
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25°C)

