

Specifications

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	6.5Ah
	10HR(5.25V)	6Ah
	1HR(4.80V)	4.23Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	34 ± 1mm (1.34inch)
	Height	94 ± 1mm (3.70inch)
	Total Height	100 ± 1mm (3.94inch)
Approx. Weight		1.05kg (2.32lbs) ± 5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 17mΩ
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)		6.80 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.45V Temperature compensation: -15mV/°C
Maximum charging current		1.95A
Terminal material		Copper
Maximum discharge current		97.5A(5 sec.)
Designed floating life(20°C)		10years

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

Constant Current Discharge Characteristics (A, 25°C)

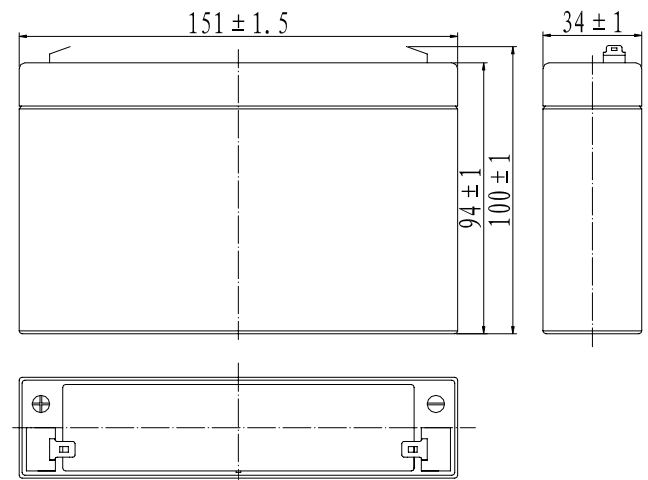
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	24.7	15.6	12.4	6.89	4.23	2.31	1.66	1.33	1.13	0.61	0.330
4.95V	24.0	15.1	12.1	6.75	4.16	2.30	1.65	1.32	1.12	0.61	0.329
5.10V	23.0	14.5	11.6	6.55	4.06	2.28	1.64	1.31	1.11	0.61	0.327
5.25V	22.0	13.9	11.2	6.39	3.98	2.24	1.63	1.30	1.11	0.60	0.325
5.40V	20.7	13.1	10.6	6.15	3.85	2.18	1.58	1.26	1.07	0.59	0.319

Constant Power Discharge Characteristics (Watt, 25°C)

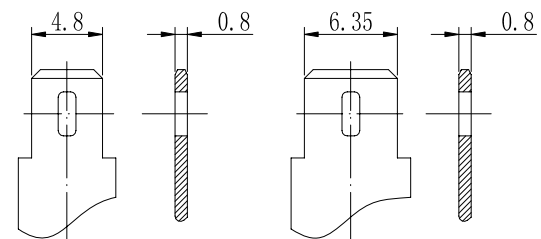
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	138	88.0	70.4	39.5	24.5	13.5	9.85	7.90	6.73	3.68	1.98
4.95V	134	85.3	68.7	38.7	24.1	13.4	9.79	7.85	6.69	3.67	1.97
5.10V	128	81.8	66.2	37.5	23.5	13.3	9.72	7.80	6.64	3.65	1.96
5.25V	123	78.3	63.9	36.6	23.0	13.1	9.65	7.74	6.60	3.63	1.95
5.40V	116	73.9	60.5	35.3	22.3	12.8	9.36	7.51	6.40	3.55	1.91

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

Dimensions



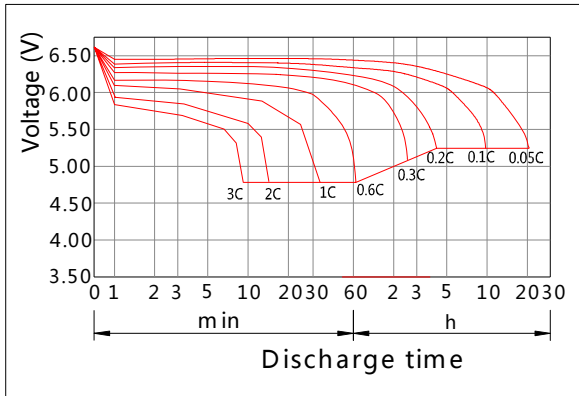
Terminal



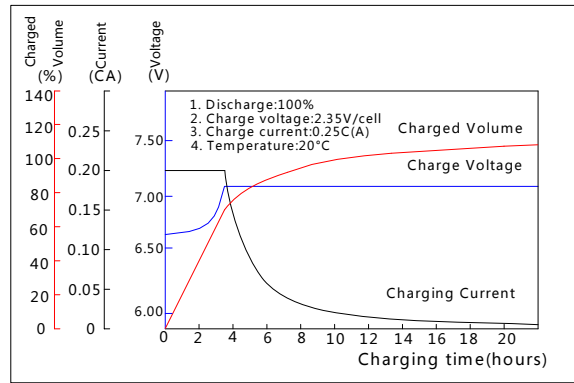
Terminal T1

Terminal T2

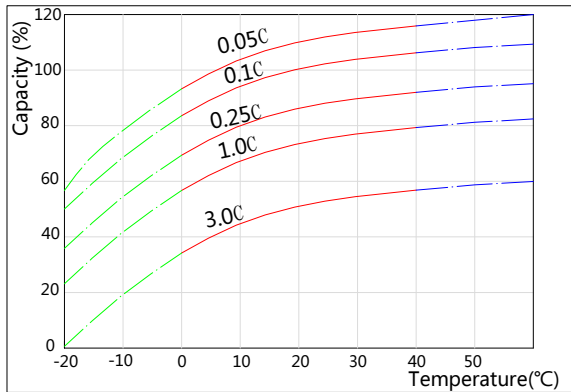
Discharge Characteristics(25°C)



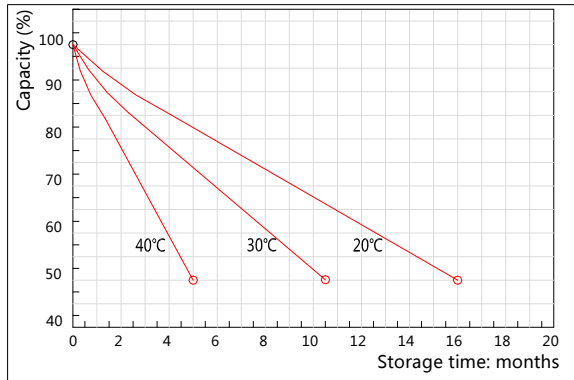
Charging Characteristics(25°C)



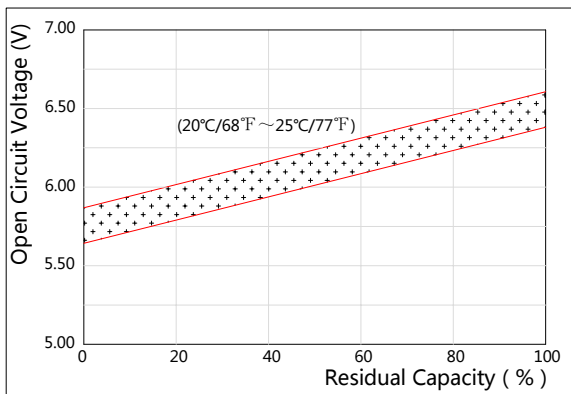
Effect of Temperature on Capacity



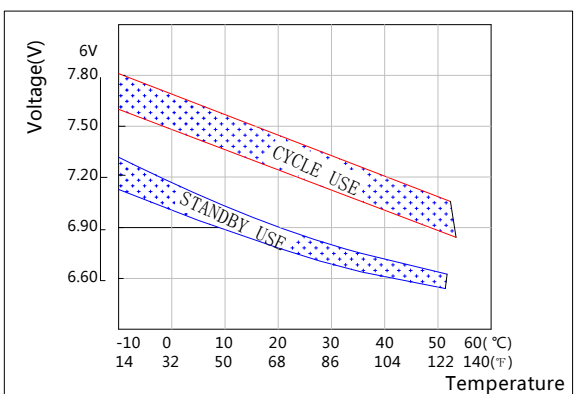
Self-discharge Characteristics



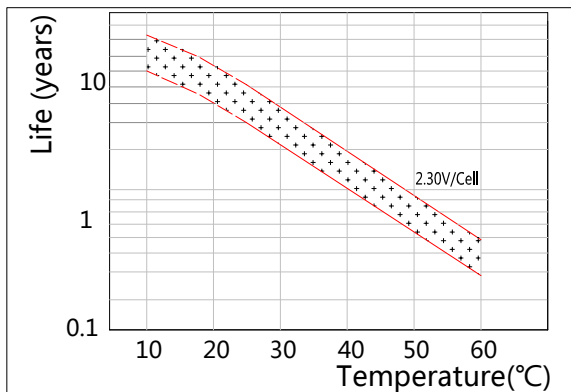
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

