

Specifications

Nominal Voltage		2 V
Capacity (25°C)	20HR(1.75V)	15Ah
	10HR(1.75V)	14Ah
	1HR(1.60V)	9.7Ah
Dimension	Length	70 ± 1mm (2.76inch)
	Width	47 ± 1mm (1.85inch)
	Height	101 ± 1mm (3.98inch)
	Total Height	107 ± 1mm (4.21inch)
Approx. Weight		0.8kg (1.76lbs) ± 5%
Terminal type		T1
Internal resistance (Fully charged, 25°C)		Approx. 3.5m 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)		2.27 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.42 to 2.48V Temperature compensation: -5mV/°C
Maximum charging current		4.5A
Terminal material		Copper
Maximum discharge current		200A(5 sec.)
Designed floating life(20°C)		10years

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

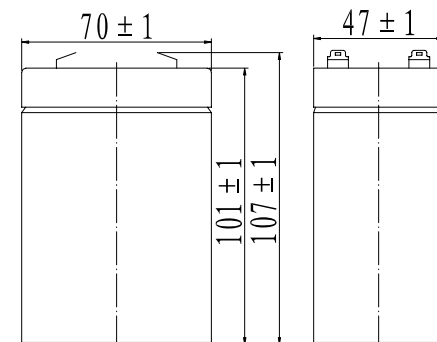
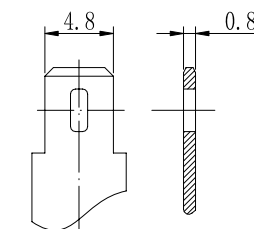
Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
1.60V	36.0	28.5	15.9	9.75	5.33	3.83	3.06	2.60	1.68	1.42	0.76
1.65V	34.9	27.8	15.6	9.60	5.30	3.80	3.04	2.59	1.67	1.41	0.76
1.70V	33.5	26.8	15.1	9.36	5.25	3.78	3.02	2.57	1.66	1.40	0.75
1.75V	32.0	25.9	14.7	9.17	5.17	3.75	3.00	2.55	1.65	1.40	0.75
1.80V	30.2	24.5	14.2	8.89	5.04	3.64	2.91	2.47	1.60	1.37	0.74

Constant Power Discharge Characteristics (Watt per cell, 25°C)

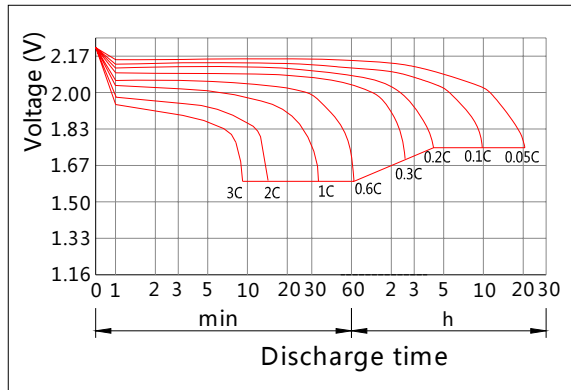
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
1.60V	67.7	54.2	30.4	18.8	10.4	7.57	6.07	5.18	3.37	2.83	1.52
1.65V	65.6	52.9	29.8	18.5	10.3	7.53	6.04	5.15	3.35	2.82	1.52
1.70V	62.9	50.9	28.9	18.1	10.2	7.48	6.00	5.11	3.32	2.81	1.51
1.75V	60.2	49.2	28.2	17.7	10.1	7.43	5.96	5.07	3.30	2.79	1.50
1.80V	56.9	46.6	27.1	17.2	9.83	7.20	5.78	4.92	3.20	2.73	1.47

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

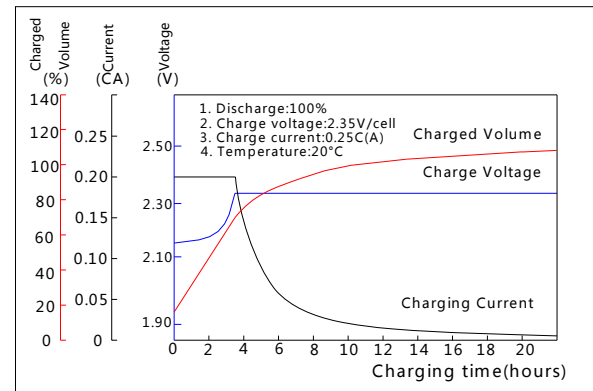
Dimensions**Terminal**

Terminal T1

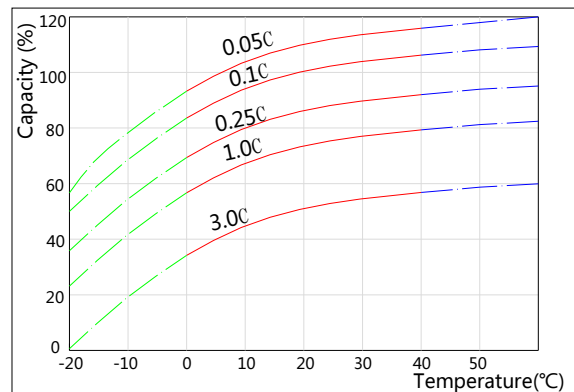
Discharge Characteristics(25°C)



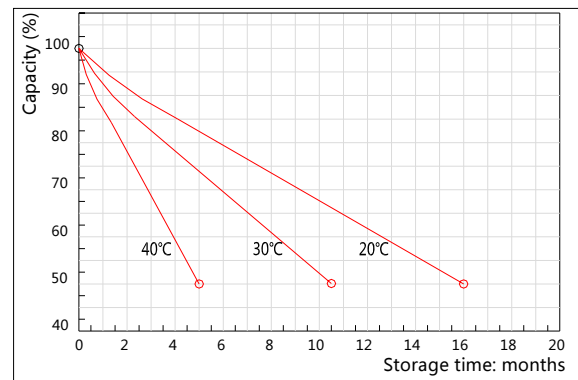
Charging Characteristics(25°C)



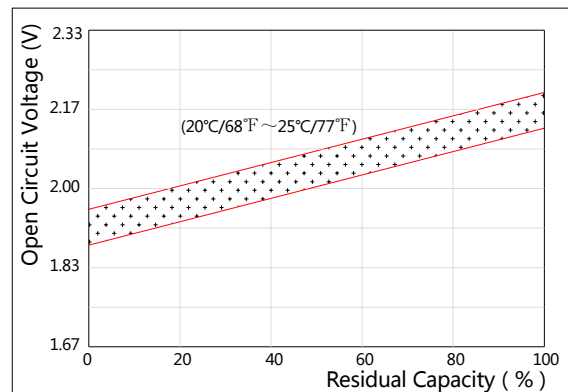
Effect of Temperature on Capacity



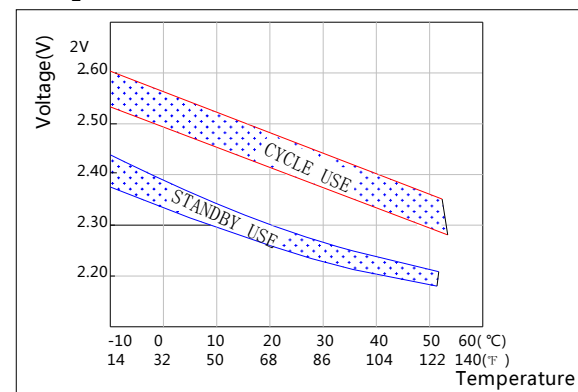
Self-discharge Characteristics



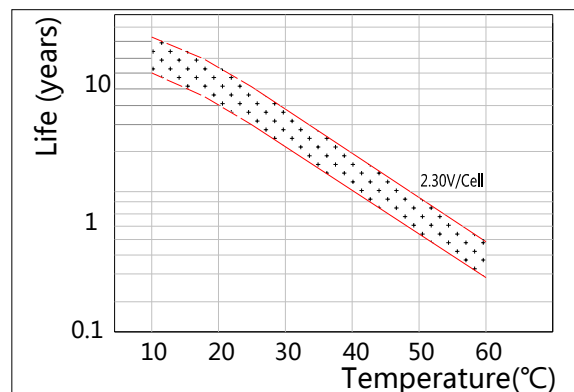
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

