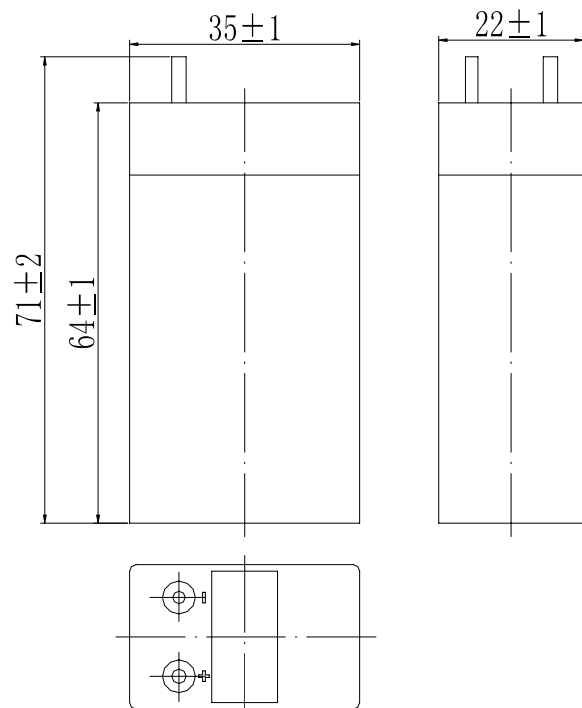


**Specifications**

Nominal Voltage		4 V
Capacity (25°C)	20HR(3.50V)	0.5 Ah
	10HR(3.50V)	0.44Ah
	1HR(3.20V)	0.29Ah
Dimension	Length	35 ± 1mm (1.38inch)
	Width	22 ± 1mm (0.87inch)
	Height	64 ± 1mm (2.52inch)
	Total Height	71 ± 2mm (2.80inch)
Approx. Weight		0.07kg (0.16lbs)± 10%
Terminal type		Tab
Internal resistance (Fully charged, 25°C)		Approx. 130m 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)		4.50 to 4.60V Temperature compensation: -6mV/°C
Cyclic charging voltage(25°C)		4.85 to 4.95V Temperature compensation: -10mV/°C
Maximum charging current		0.15A
Terminal material		Lead/Wire
Maximum discharge current		5A(5 sec.)

**Dimensions**



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

**Constant Current Discharge Characteristics (A, 25°C)**

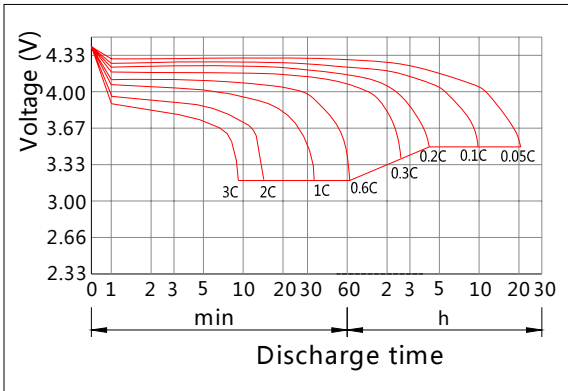
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	1.71	1.08	0.86	0.48	0.29	0.169	0.121	0.097	0.082	0.045	0.025
3.30V	1.66	1.05	0.83	0.47	0.29	0.168	0.120	0.096	0.082	0.045	0.025
3.40V	1.59	1.00	0.80	0.45	0.28	0.166	0.120	0.096	0.081	0.044	0.025
3.50V	1.52	0.96	0.78	0.44	0.28	0.164	0.119	0.095	0.081	0.044	0.025
3.60V	1.44	0.91	0.74	0.43	0.27	0.160	0.115	0.092	0.078	0.043	0.025

**Constant Power Discharge Characteristics (Watt, 25°C)**

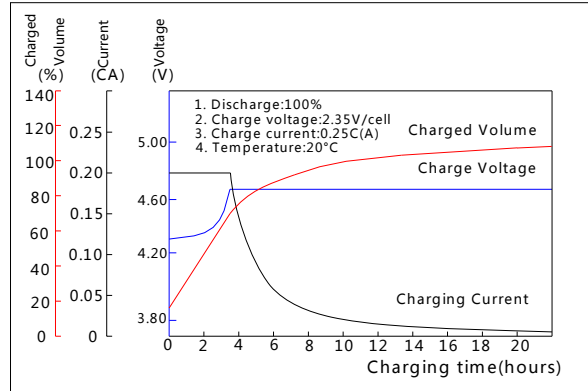
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	6.36	4.06	3.25	1.82	1.13	0.658	0.480	0.385	0.328	0.179	0.102
3.30V	6.17	3.94	3.17	1.79	1.11	0.654	0.477	0.382	0.326	0.179	0.101
3.40V	5.92	3.78	3.05	1.73	1.08	0.648	0.474	0.380	0.324	0.178	0.101
3.50V	5.66	3.61	2.95	1.69	1.06	0.639	0.470	0.377	0.321	0.177	0.100
3.60V	5.34	3.41	2.79	1.63	1.03	0.622	0.456	0.366	0.312	0.173	0.098

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

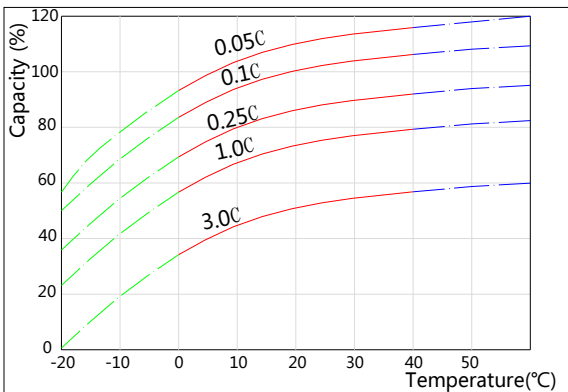
Discharge Characteristics(25°C)



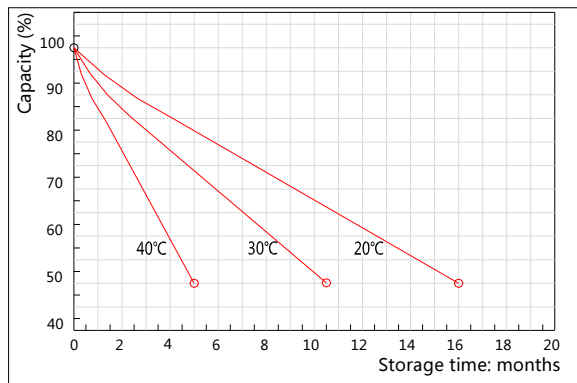
Charging Characteristics(25°C)



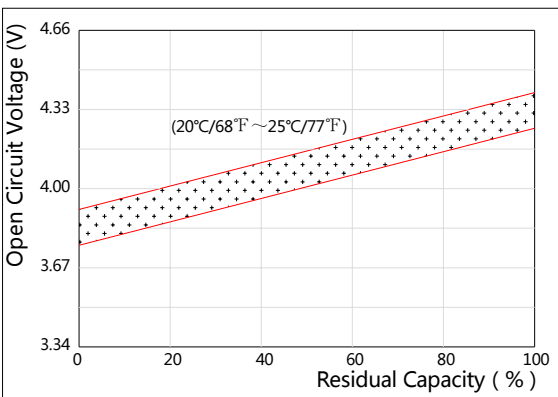
Effect of Temperature on Capacity



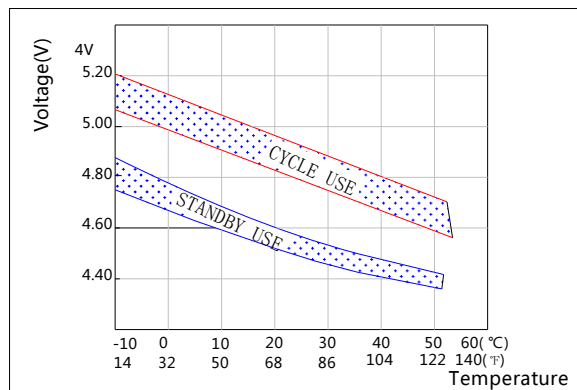
Self-discharge Characteristics



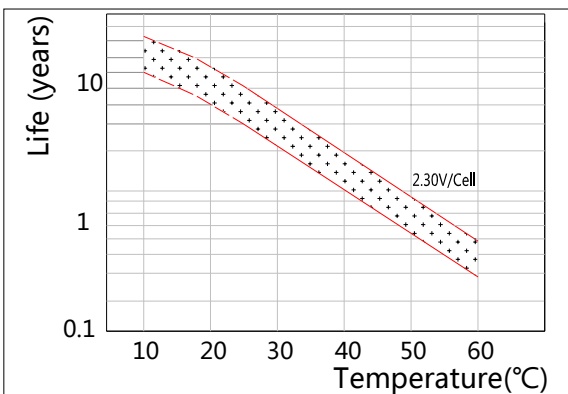
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

