

Specifications

Nominal Voltage		4 V
Capacity (25°C)	20HR(3.50V)	3.4Ah
	10HR(3.50V)	3.1Ah
	1HR(3.20V)	2.15Ah
Dimension	Length	90 ± 1mm (3.54inch)
	Width	34 ± 1mm (1.34inch)
	Height	60 ± 1mm (2.36inch)
	Total Height	66 ± 1mm (2.60inch)
Approx. Weight		0.44kg (0.97lbs) ± 5%
Terminal type		T1
Internal resistance (Fully charged, 25°C)		Approx. 14mΩ
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		1.02A
Terminal material		Copper
Maximum discharge current		51A(5 sec.)
Designed floating life(20°C)		3~5 years

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

Constant Current Discharge Characteristics (A, 25°C)

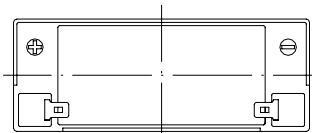
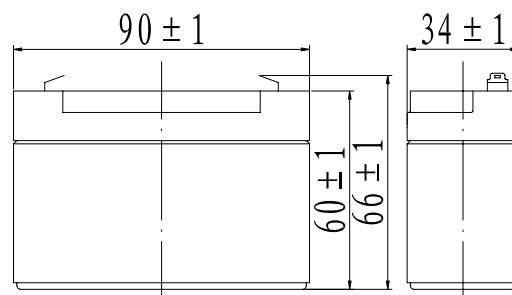
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	12.5	7.92	6.27	3.50	2.15	1.17	0.84	0.67	0.57	0.31	0.17
3.30V	12.2	7.68	6.12	3.43	2.11	1.17	0.84	0.67	0.57	0.31	0.17
3.40V	11.7	7.37	5.89	3.32	2.06	1.16	0.83	0.66	0.56	0.31	0.17
3.50V	11.2	7.05	5.69	3.24	2.02	1.14	0.83	0.66	0.56	0.31	0.17
3.60V	10.5	6.65	5.39	3.12	1.96	1.11	0.80	0.64	0.54	0.30	0.16

Constant Power Discharge Characteristics (Watt, 25°C)

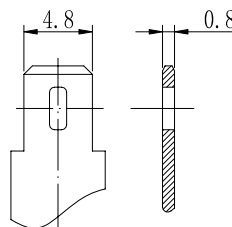
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	46.6	29.8	23.8	13.4	8.28	4.57	3.33	2.67	2.28	1.28	0.69
3.30V	45.2	28.9	23.3	13.1	8.16	4.55	3.31	2.66	2.26	1.28	0.69
3.40V	43.4	27.7	22.4	12.7	7.95	4.50	3.29	2.64	2.25	1.27	0.68
3.50V	41.5	26.5	21.6	12.4	7.79	4.44	3.27	2.62	2.23	1.26	0.68
3.60V	39.2	25.0	20.5	11.9	3.78	4.32	3.17	2.54	2.17	1.24	0.67

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

Dimensions

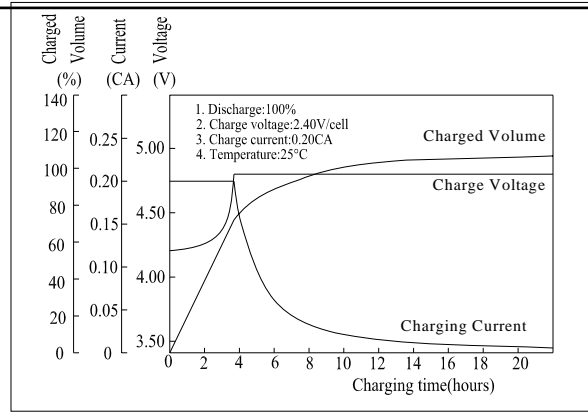
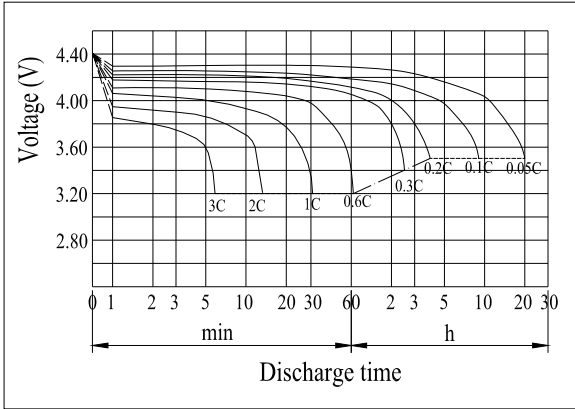


Terminal

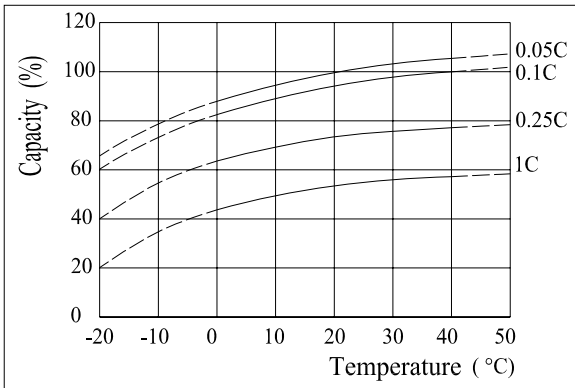


Terminal T1

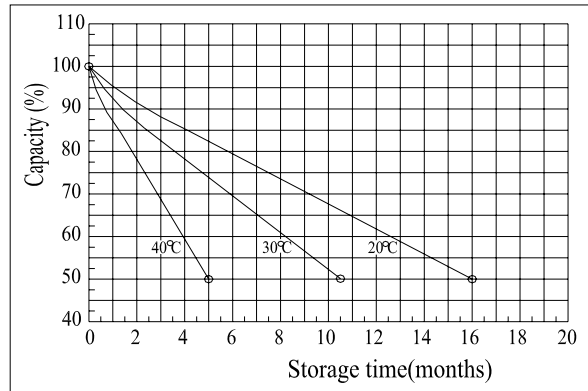
Discharge Characteristics(25°C)



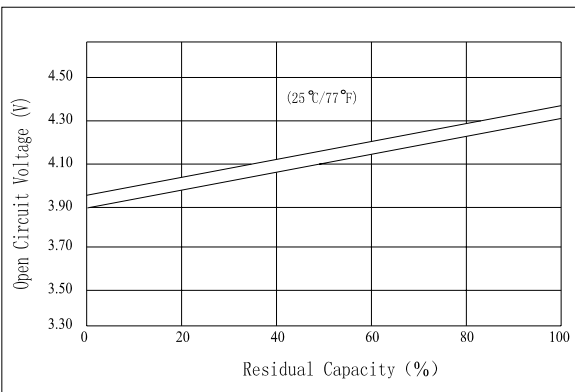
Effect of Temperature on Capacity



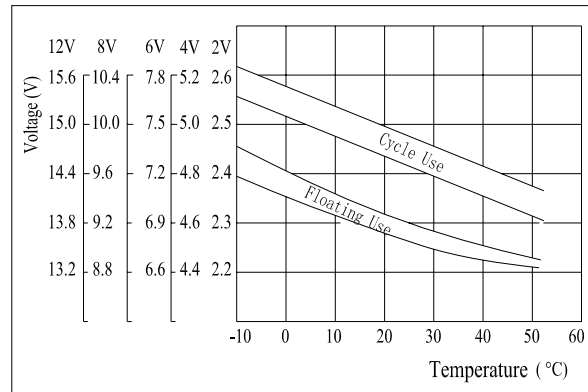
Self-discharge Characteristics



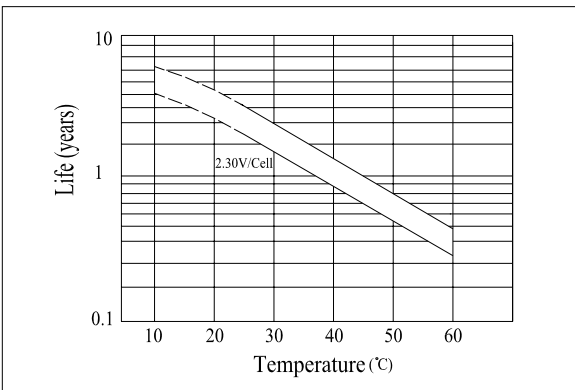
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



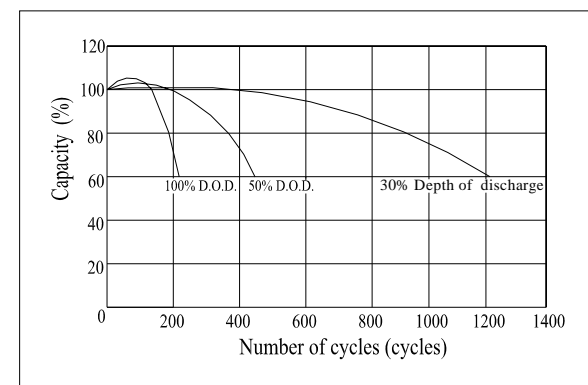
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)