

Specifications

Nominal Voltage		4 V
Capacity (25°C)	20HR(3.50V)	2Ah
	10HR(3.50V)	1.9Ah
	1HR(3.20V)	1.3Ah
Dimension	Length	45 ± 1mm (1.77inch)
	Width	33.5 ± 1mm (1.32inch)
	Height	75 ± 1mm (2.95inch)
	Total Height	81 ± 1mm (3.19inch)
Approx. Weight		0.26kg (0.57lbs) ± 5%
Terminal type		T1
Internal resistance (Fully charged, 25°C)		Approx. 27mΩ
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		0.6A
Terminal material		Copper
Maximum discharge current		30A(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)

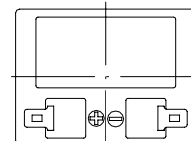
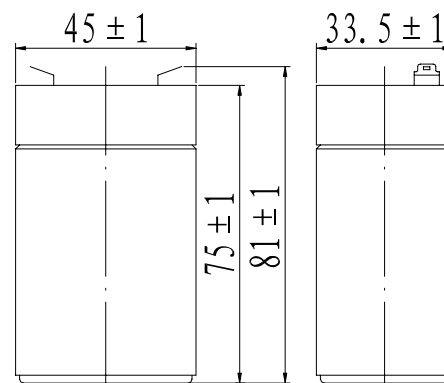
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	7.60	4.80	3.80	2.12	1.30	0.71	0.51	0.41	0.35	0.19	0.10
3.30V	7.37	4.66	3.71	2.08	1.28	0.71	0.51	0.41	0.34	0.19	0.10
3.40V	7.07	4.46	3.57	2.01	1.25	0.70	0.50	0.40	0.34	0.19	0.10
3.50V	6.76	4.3	3.45	1.97	1.22	0.69	0.50	0.40	0.34	0.19	0.10
3.60V	6.38	4.03	3.27	1.89	1.19	0.67	0.49	0.39	0.33	0.18	0.10

Constant Power Discharge Characteristics (Watt, 25°C)

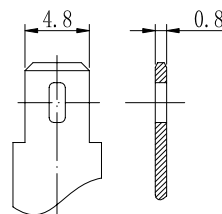
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
3.20V	28.3	18.0	14.4	8.10	5.02	2.77	2.02	1.62	1.38	0.76	0.41
3.30V	27.4	17.5	14.1	7.94	4.94	2.75	2.01	1.61	1.37	0.75	0.40
3.40V	26.3	16.8	13.6	7.69	4.82	2.73	1.99	1.60	1.36	0.75	0.40
3.50V	25.2	16.1	13.1	7.51	4.72	2.69	1.98	1.59	1.35	0.74	0.40
3.60V	23.7	15.2	12.4	7.23	2.29	2.62	1.92	1.54	1.31	0.73	0.39

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

Dimensions

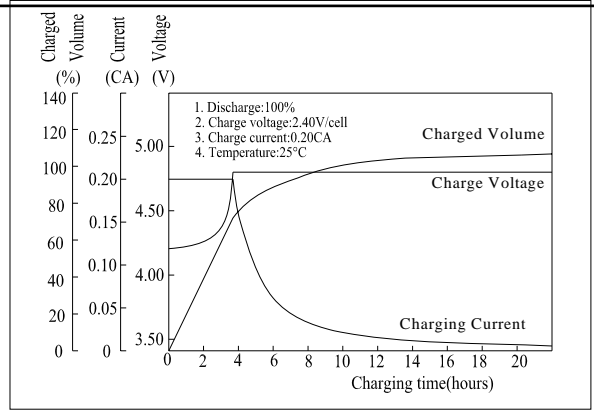
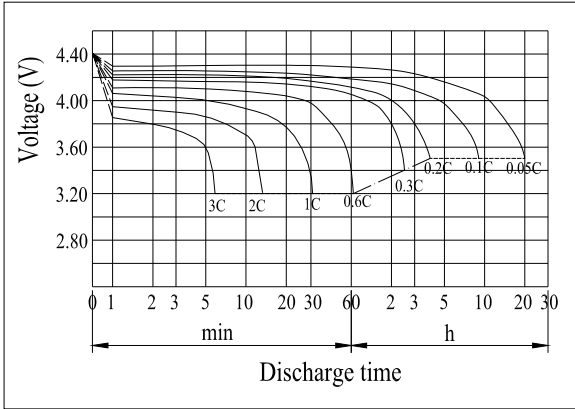


Terminal

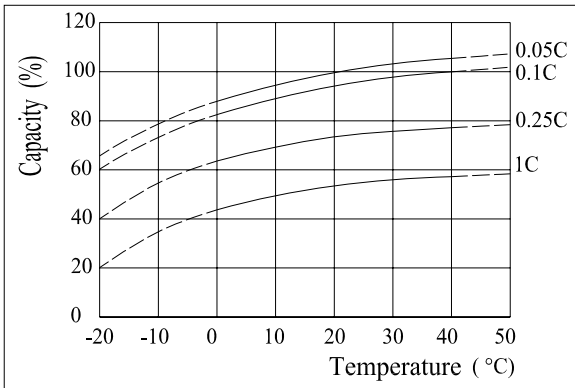


Terminal T1

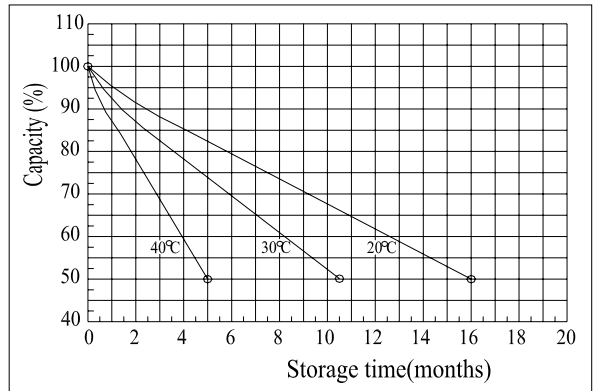
Discharge Characteristics(25°C)



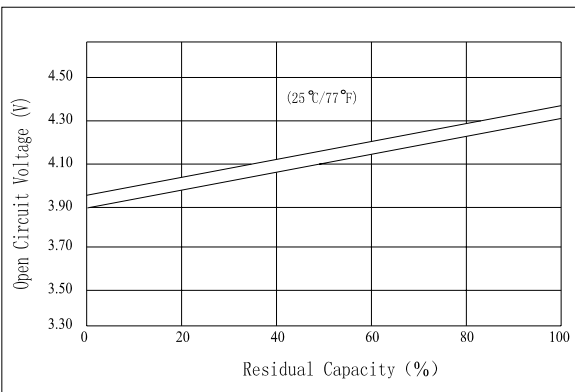
Effect of Temperature on Capacity



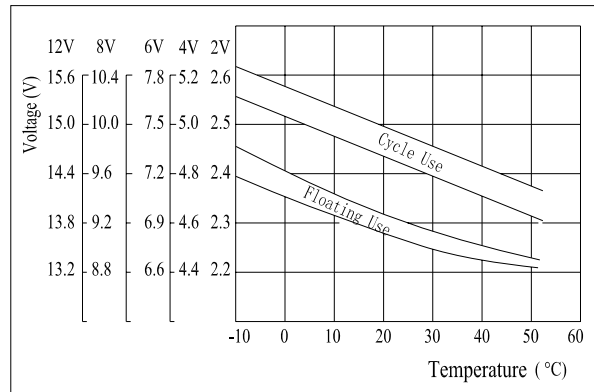
Self-discharge Characteristics



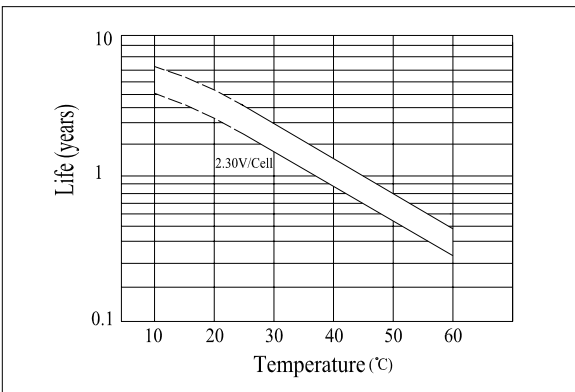
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



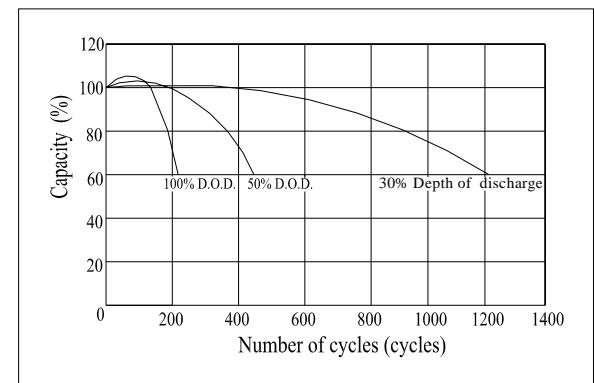
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)