

Specifications

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	7.5Ah
	10HR(5.25V)	7Ah
	1HR(4.80V)	4.88Ah
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		1.17kg (2.58lbs) ± 5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 12mΩ
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		2.25A
Terminal material		Copper
Maximum discharge current		112.5A(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)

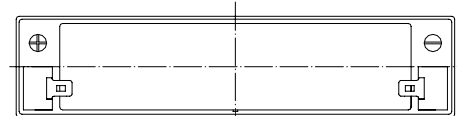
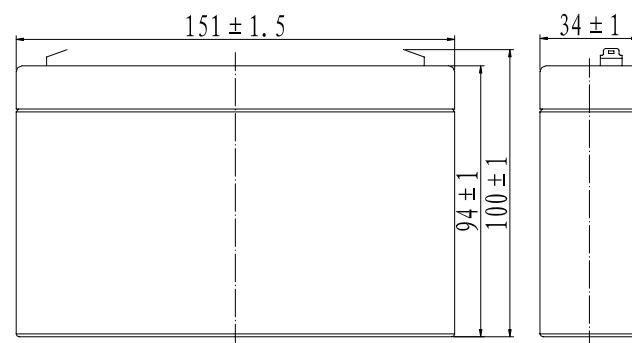
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	28.5	18.0	14.3	7.95	4.88	2.66	1.91	1.53	1.30	0.71	0.381
4.95V	27.6	17.5	13.9	7.79	4.80	2.65	1.90	1.52	1.29	0.71	0.379
5.10V	26.5	16.7	13.4	7.55	4.68	2.63	1.89	1.51	1.28	0.70	0.377
5.25V	25.4	16.0	12.9	7.37	4.59	2.59	1.88	1.50	1.28	0.70	0.375
5.40V	23.9	15.1	12.3	7.10	4.45	2.52	1.82	1.46	1.24	0.68	0.368

Constant Power Discharge Characteristics (Watt, 25°C)

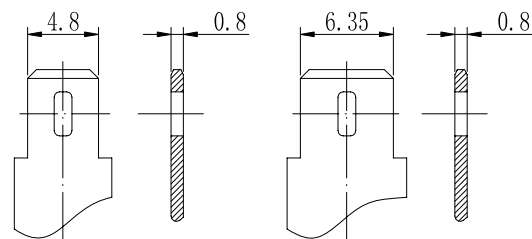
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	159	102	81.2	45.6	28.2	15.6	11.4	9.11	7.76	4.25	2.28
4.95V	154	98.5	79.3	44.6	27.8	15.5	11.3	9.06	7.72	4.23	2.27
5.10V	148	94.4	76.4	43.3	27.1	15.4	11.2	9.00	7.67	4.21	2.26
5.25V	142	90.4	73.8	42.2	26.6	15.1	11.1	8.93	7.61	4.19	2.25
5.40V	134	85.3	69.9	40.7	25.7	14.7	10.8	8.66	7.38	4.10	2.21

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

Dimensions



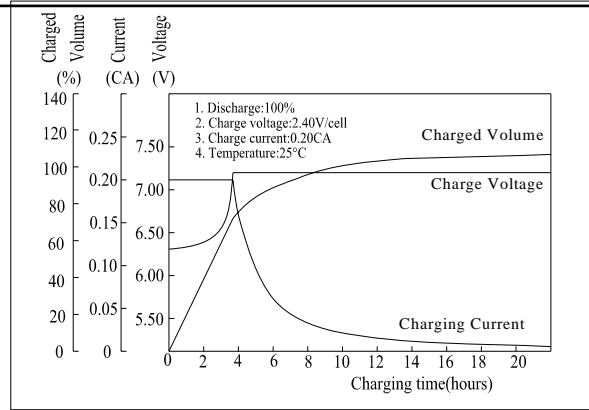
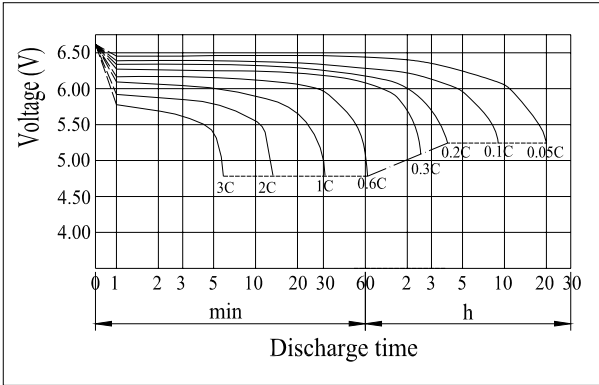
Terminal



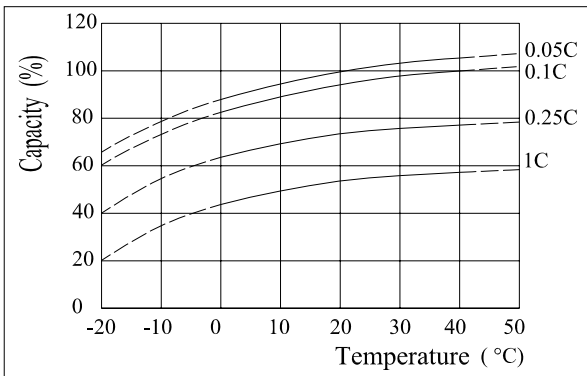
Terminal T1

Terminal T2

Discharge Characteristics(25°C)



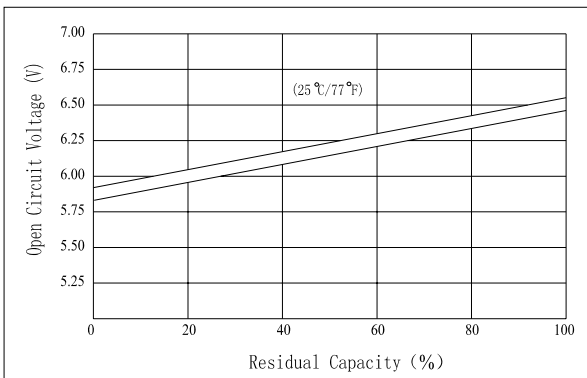
Effect of Temperature on Capacity



Self-discharge Characteristics



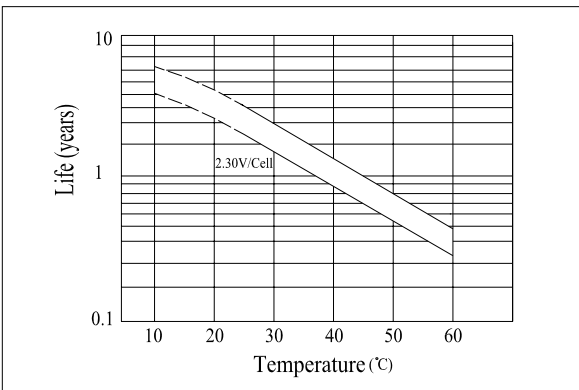
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



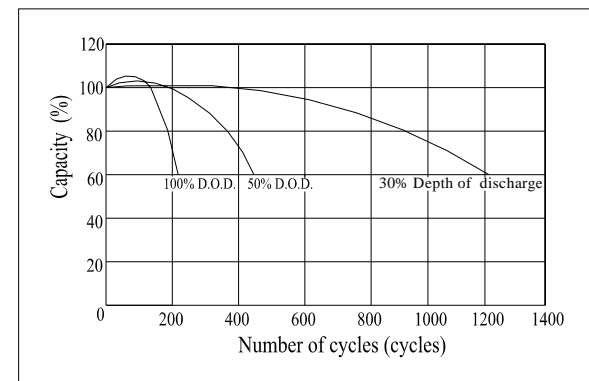
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)