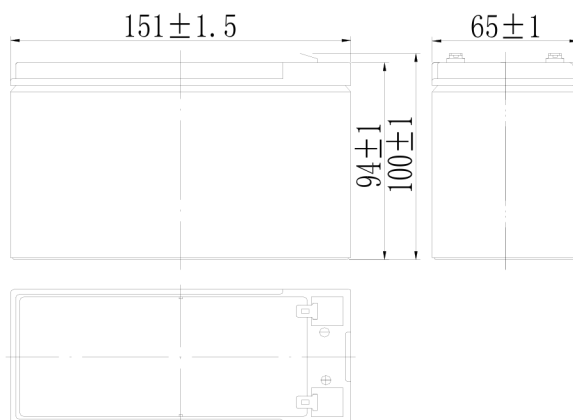


Specifications

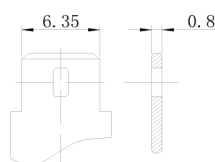
Nominal Voltage		12 V
Number of cell		6 cells
Capacity(15min.rate, 25°C)		24Watts/cell
Capacity(20hrs@10.5v, 20°C)		6.5Ah
Dimension	Length	151±1.5mm (5.94inch)
	Width	65±1mm (2.56inch)
	Height	94±1mm (3.70inch)
	Total Height	100±1mm (3.94inch)
Approx. Weight		1.95kg (4.29lbs)±5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 30mΩ
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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		1.8A
Terminal material		Copper
Maximum discharge current		105A(5 sec.)
Designed floating life(20°C)		10 years



Dimensions



Terminal



Terminal T2

- ◆ Specially designed for high power output.
- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

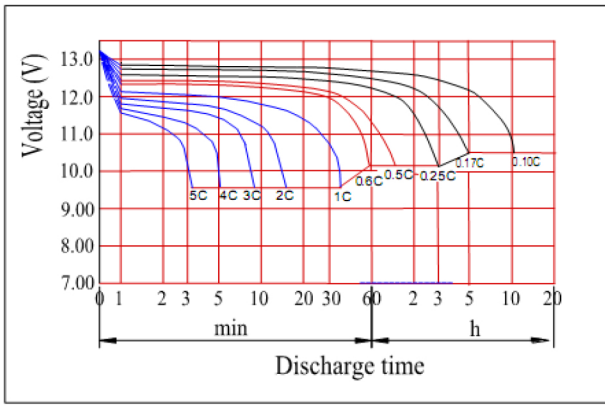
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	2h	3h	5h
1.60V/cell	24.4	15.0	11.8	9.34	6.46	4.63	3.66	1.91	1.36	0.94
1.65V/cell	23.7	14.5	11.5	9.12	6.33	4.54	3.60	1.90	1.35	0.94
1.67V/cell	23.3	14.3	11.3	8.95	6.24	4.49	3.57	1.90	1.35	0.94
1.70V/cell	22.7	13.9	11.1	8.77	6.15	4.41	3.51	1.89	1.34	0.92
1.75V/cell	21.7	13.3	10.7	8.47	5.98	4.28	3.44	1.86	1.34	0.92
1.80V/cell	20.5	12.6	10.1	8.03	5.76	4.15	3.34	1.81	1.30	0.90

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

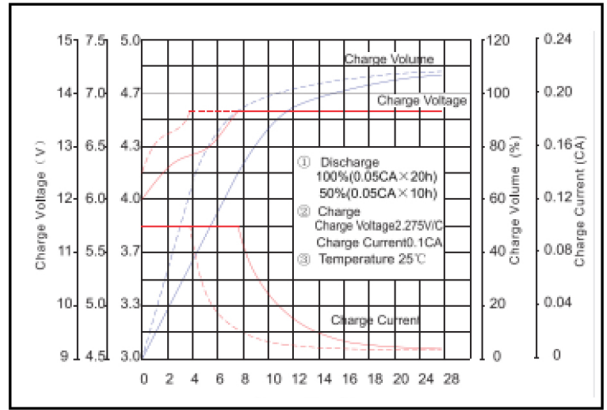
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	2h	3h	5h
1.60V/cell	47.1	30.2	25.0	18.4	12.7	9.12	7.20	3.79	2.72	1.87
1.65V/cell	45.8	29.3	24.5	17.9	12.5	8.95	7.11	3.77	2.71	1.86
1.67V/cell	44.9	28.8	24.0	17.7	12.3	8.86	7.03	3.75	2.70	1.85
1.70V/cell	43.4	28.1	23.1	17.3	12.1	8.68	6.94	3.73	2.69	1.85
1.75V/cell	41.7	27.0	22.4	16.7	11.8	8.47	6.76	3.68	2.67	1.83
1.80V/cell	39.8	25.5	21.7	15.8	11.4	8.16	6.59	3.58	2.59	1.78

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

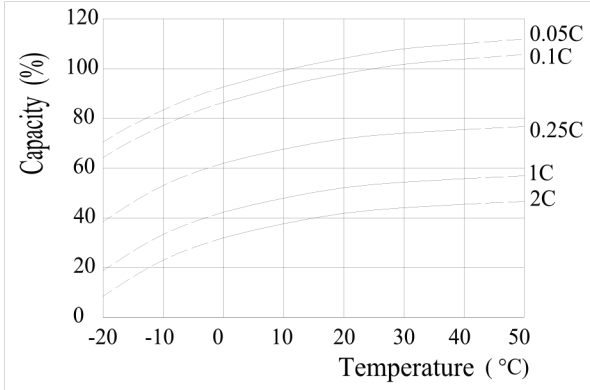
Discharge Characteristics(25°C)



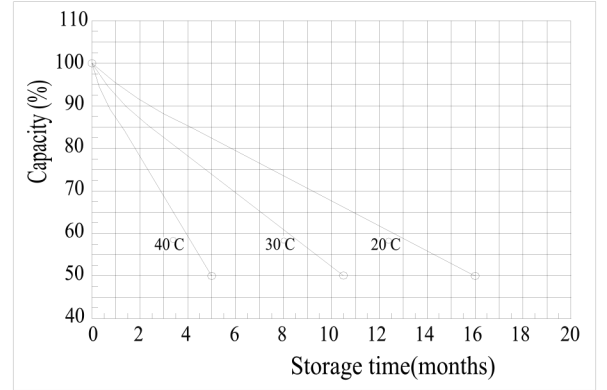
Charging Characteristics(25°C)



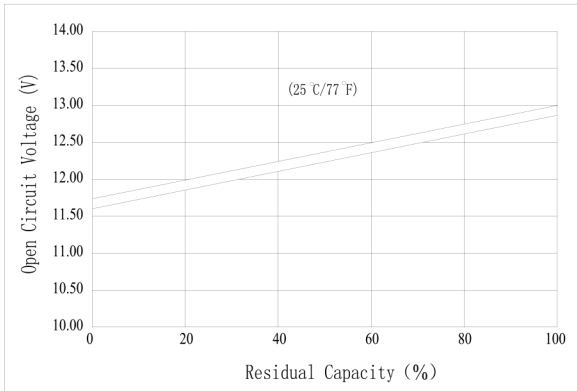
Effect of Temperature on Capacity



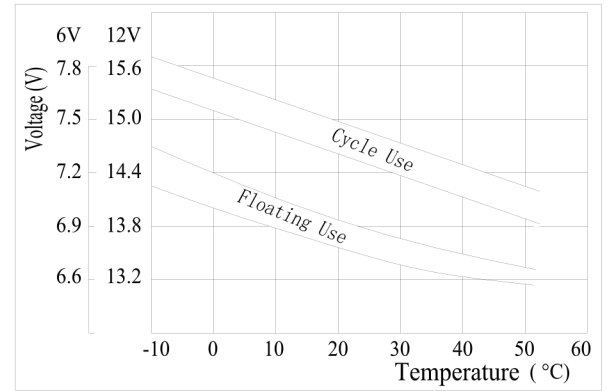
Self-discharge Characteristics



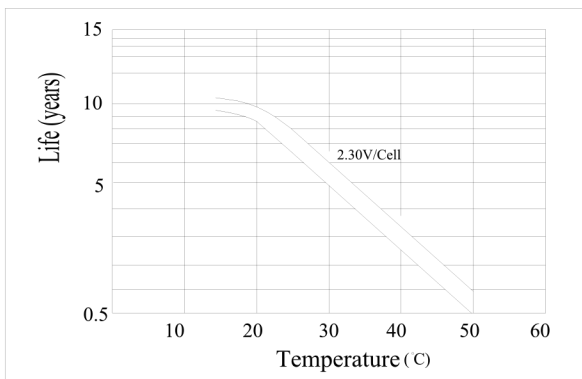
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D. (25°C)

