

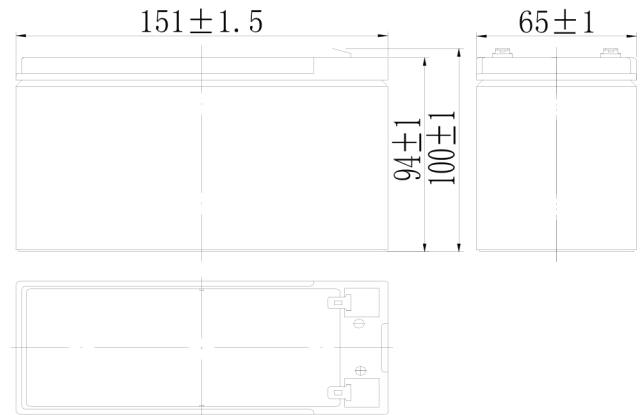
Specifications

Nominal Voltage		12 V
Number of cell		6 cells
Capacity(15min.rate, 25°C)		36 Watts/cell
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		2.60kg (5.73lbs)±5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 18mΩ
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		2.7A
Terminal material		Copper
Maximum discharge current		135A(5 sec.)
Designed floating life(20°C)		10years

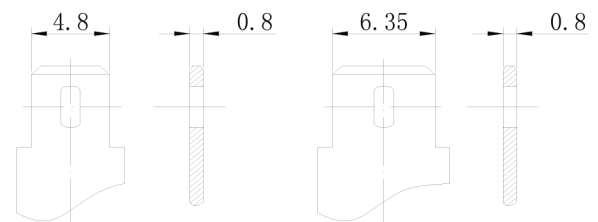
- ◆ Specially designed for high power output.
- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.



Dimensions



Terminal



Terminal T1

Terminal T2

Constant Current Discharge Characteristics (A, 25°C)

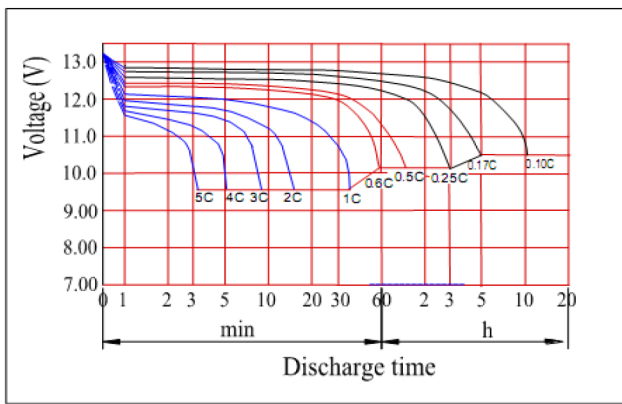
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	2h	3h	5h
1.60V/cell	37.3	22.8	18	14.3	9.87	7.08	5.59	3.35	2.34	1.61
1.65V/cell	36.1	22.1	17.5	13.9	9.68	6.94	5.51	3.31	2.33	1.6
1.67V/cell	35.6	21.8	17.3	13.7	9.56	6.85	5.45	3.29	2.32	1.59
1.70V/cell	34.7	21.2	16.9	13.4	9.38	6.73	5.37	3.26	2.31	1.59
1.75V/cell	33.2	20.3	16.3	12.9	9.15	6.56	5.26	3.22	2.3	1.58
1.80V/cell	31.3	19.2	15.5	12.3	8.82	6.32	5.1	3.13	2.23	1.53

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

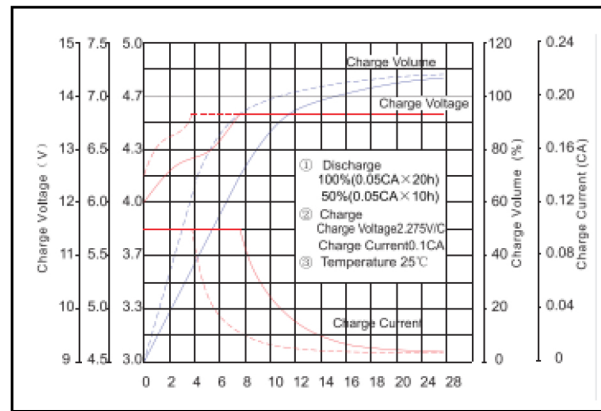
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	2h	3h	5h
1.60V/cell	71.1	45.8	35.4	28.1	19.5	13.9	11	6.68	4.68	3.21
1.65V/cell	69.7	45.3	34.6	27.4	19.1	13.7	10.8	6.60	4.65	3.19
1.67V/cell	68.8	45.0	36	27	18.8	13.5	10.7	6.57	4.64	3.18
1.70V/cell	67.5	44	33.3	26.4	18.5	13.2	10.6	6.50	4.62	3.17
1.75V/cell	65.6	42.5	32.2	25.5	18	12.9	10.4	6.42	4.59	3.15
1.80V/cell	63.5	40.9	30.5	24.1	17.4	12.5	10	6.24	4.45	3.06

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

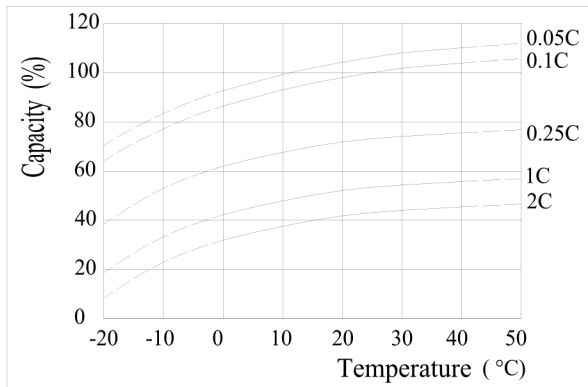
Discharge Characteristics (25°C)



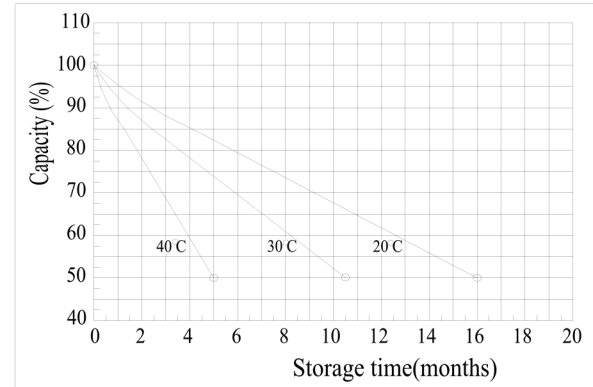
Charging Characteristics (25°C)



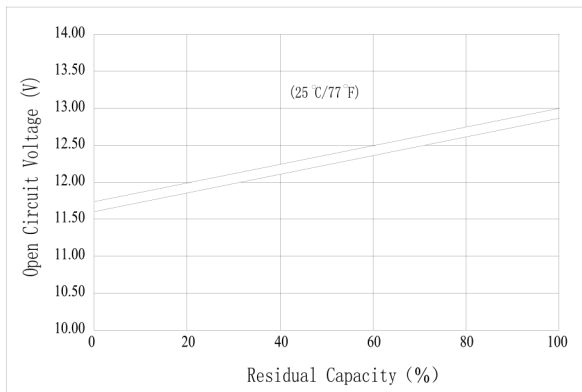
Effect of Temperature on Capacity



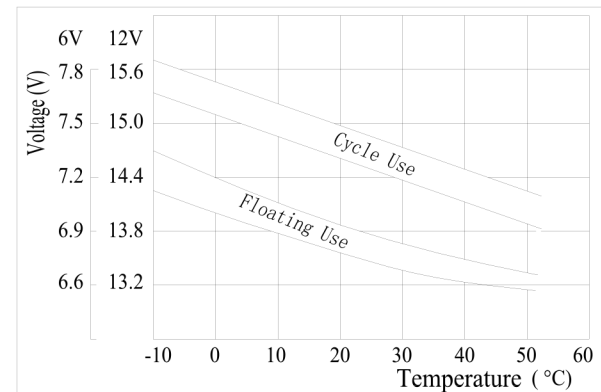
Self-discharge Characteristics



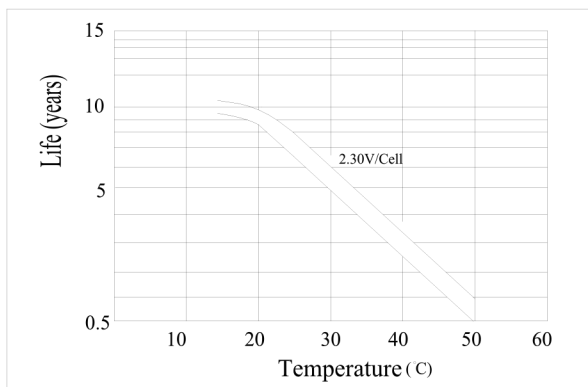
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D. (25°C)

