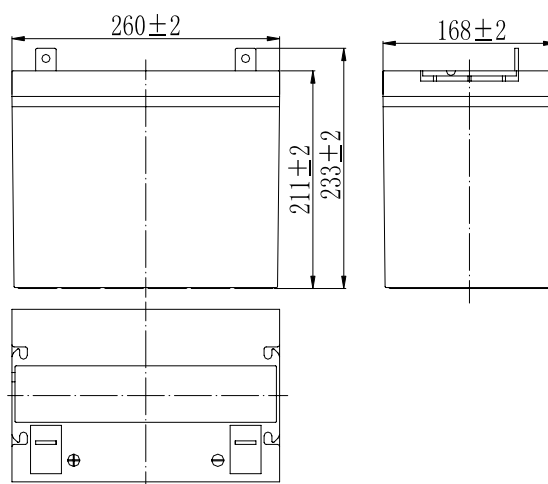


**Specifications**

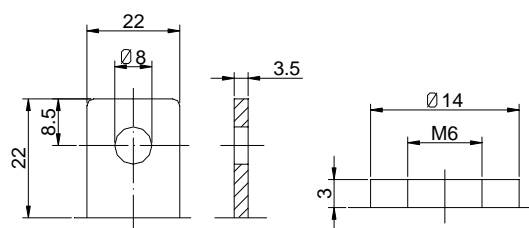
Nominal Voltage		12 V
Number of cell		6 cells
Capacity(10HR, 25°C)		70 Ah
Capacity(15min.rate, 25°C)		250 Watts/cell
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	211mm ± 2 (8.31inch)
	Total Height	T5: 233 ± 2mm (9.17inch) T9: 214 ± 2mm (8.43inch)
Approx. Weight		22kg (48.5lbs) ± 5%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 6m Ω
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		21A
Terminal material		Copper
Maximum discharge current		700A(5 sec.)
Designed floating life(20°C)		7~10 years

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

**Dimensions**



**Terminal**



Terminal T5

Terminal T9

**Constant Current Discharge Characteristics (A, 25°C)**

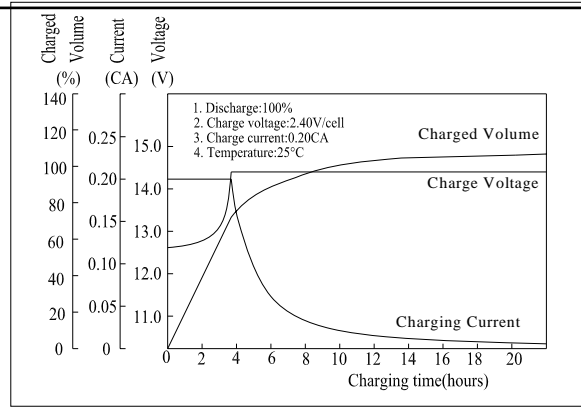
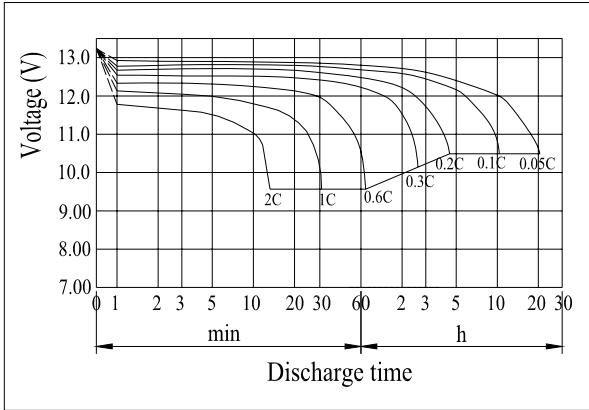
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	163	134	107	75.7	56.4	46.0	27.1	19.5	13.6	7.63	4.04
1.65V/cell	158	130	104	74.2	55.3	45.3	27.0	19.3	13.5	7.61	4.03
1.67V/cell	156	130	103	73.3	54.6	44.9	26.9	19.3	13.5	7.61	4.03
1.70V/cell	152	126	100	71.9	53.6	44.2	26.7	19.2	13.4	7.59	4.02
1.75V/cell	145	121	97.0	70.2	52.3	43.3	26.3	19.1	13.4	7.55	4.00
1.80V/cell	137	115	91.9	67.6	50.4	42.0	25.6	18.5	13.0	7.49	3.97

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

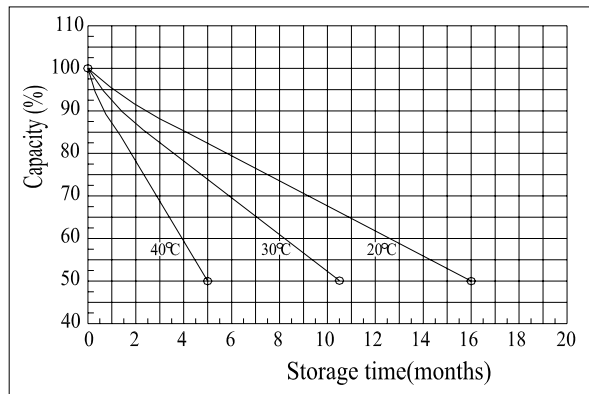
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	307	258	206	146	109	88.8	52.9	38.3	27.0	15.3	8.08
1.65V/cell	298	252	201	143	107	87.5	52.6	38.1	26.8	15.2	8.07
1.67V/cell	293	250	198	141	105	86.6	52.4	38.0	26.7	15.2	8.06
1.70V/cell	285	242	194	139	103	85.2	52.1	37.8	26.6	15.2	8.04
1.75V/cell	273	234	187	135	101	83.5	51.3	37.6	26.4	15.1	7.99
1.80V/cell	258	222	177	130	97.2	81.0	50.0	36.4	25.7	15.0	7.94

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

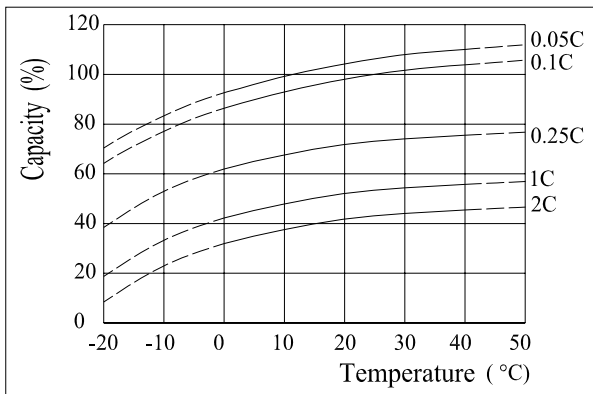
**Discharge Characteristics(25°C)**



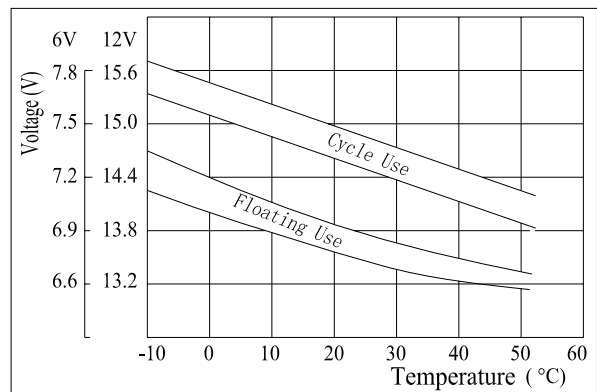
**Self-discharge Characteristics**



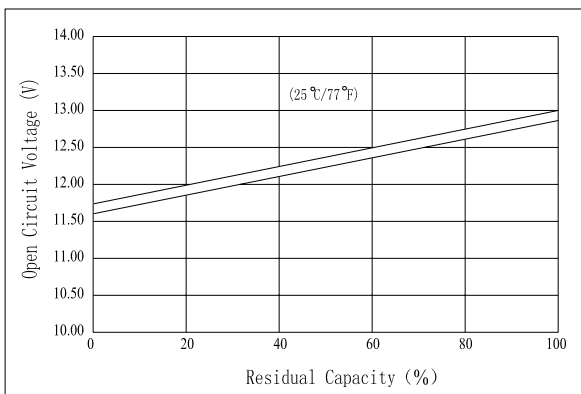
**Effect of Temperature on Capacity**



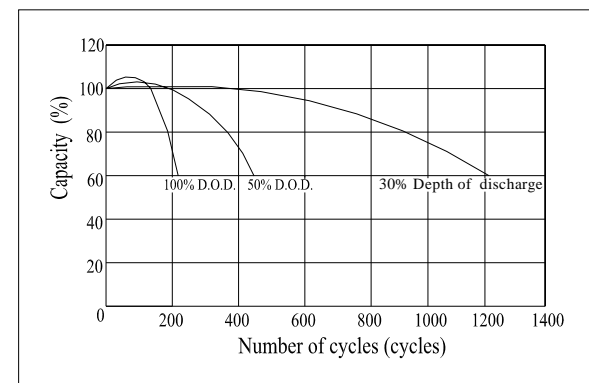
**The Relationship for Charging Voltage and Temperature**



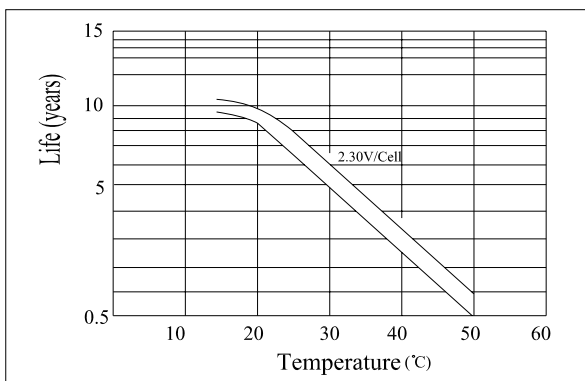
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**Cycle Life on D.O.D(25°C)**



**Floating Life on Temperature**



**Charging Characteristics(25°C)**