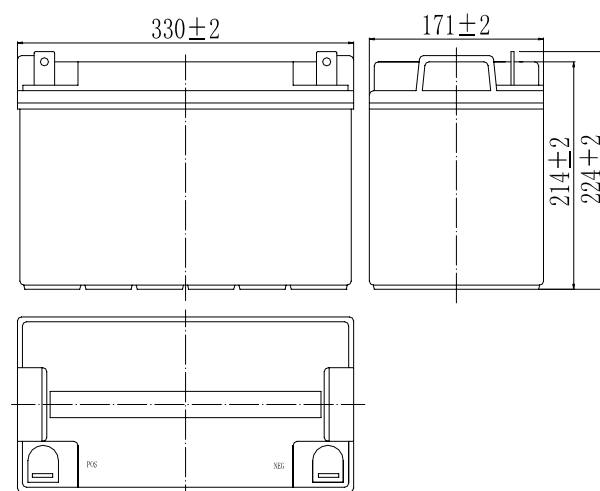


**Specifications**

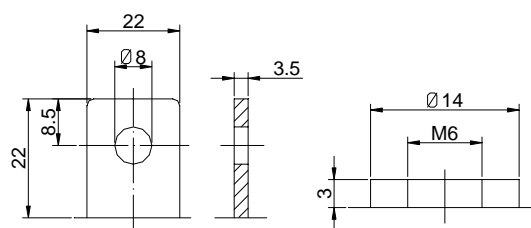
Nominal Voltage		12 V
Number of cell		6 cells
Capacity(10HR, 25°C)		100 Ah
Capacity(15min.rate, 25°C)		380 Watts/cell
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	T5: 224±2mm (8.82inch) T9: 220±2mm (8.66inch)
Approx. Weight		32.5kg (71.7lbs)±5%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 3.5mΩ
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		30A
Terminal material		Copper
Maximum discharge current		800A(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)**

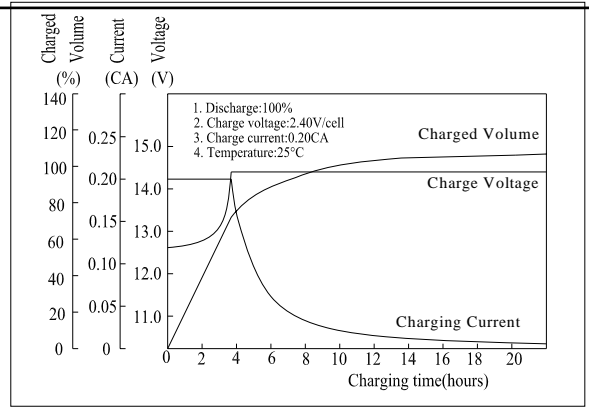
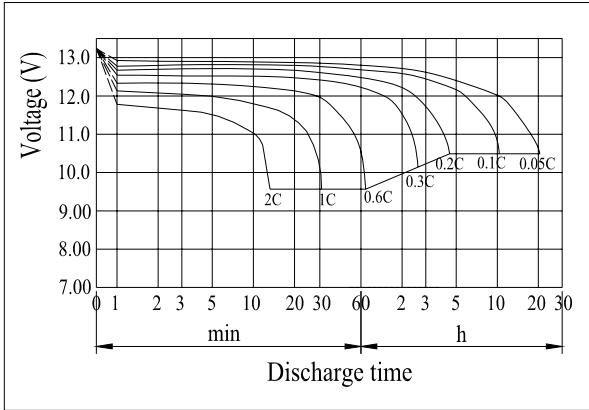
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	249	203	163	115	85.9	70.1	36.5	26.2	18.4	10.3	5.45
1.65V/cell	241	199	159	113	84.2	69.0	36.3	26.1	18.3	10.3	5.44
1.67V/cell	237	197	156	112	83.1	68.3	36.2	26.0	18.2	10.3	5.43
1.70V/cell	231	191	153	109	81.6	67.3	36.0	25.9	18.1	10.2	5.42
1.75V/cell	221	185	148	107	79.6	65.9	35.5	25.7	18.0	10.2	5.39
1.80V/cell	209	175	140	103	76.7	63.9	34.6	24.9	17.5	10.1	5.35

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

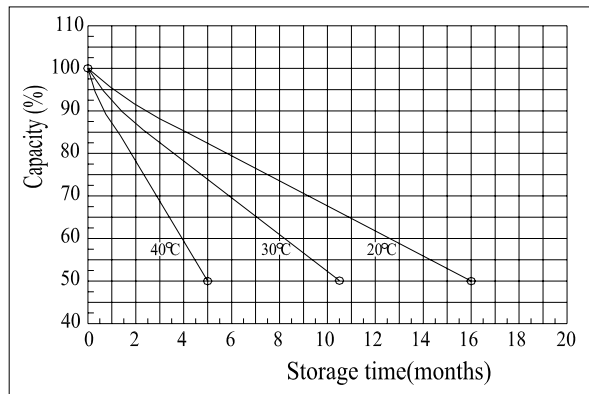
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	467	393	314	222	166	135	71.3	51.6	36.4	20.6	10.9
1.65V/cell	453	383	307	218	162	133	70.8	51.3	36.1	20.5	10.9
1.67V/cell	446	381	301	215	160	132	70.6	51.2	36.0	20.5	10.9
1.70V/cell	435	369	295	211	157	130	70.2	51.0	35.9	20.5	10.8
1.75V/cell	416	356	285	206	154	127	69.1	50.6	35.6	20.3	10.8
1.80V/cell	393	338	270	199	148	123	67.4	49.1	34.6	20.2	10.7

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

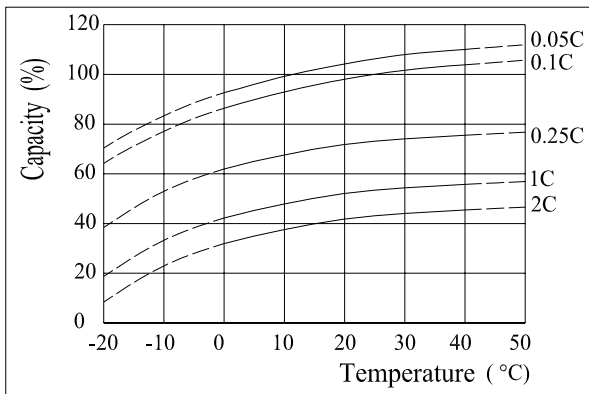
**Discharge Characteristics(25°C)**



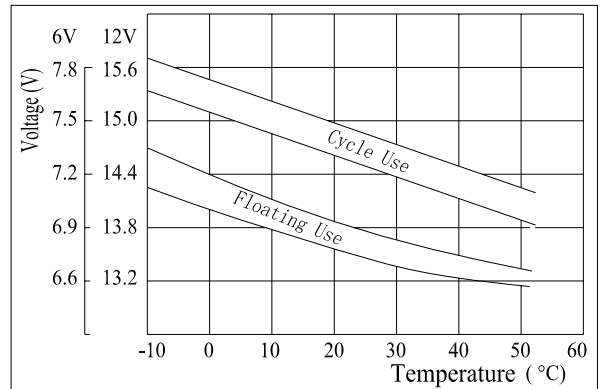
**Self-discharge Characteristics**



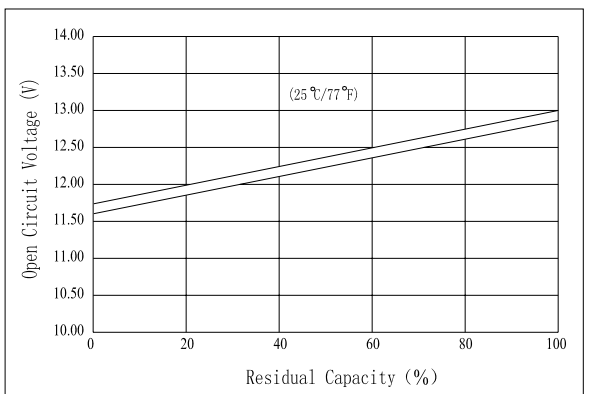
**Effect of Temperature on Capacity**



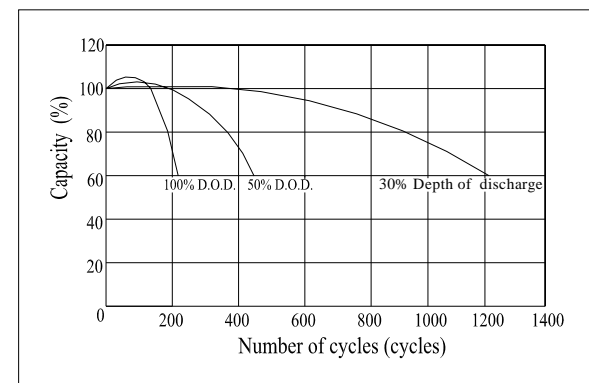
**The Relationship for Charging Voltage and Temperature**



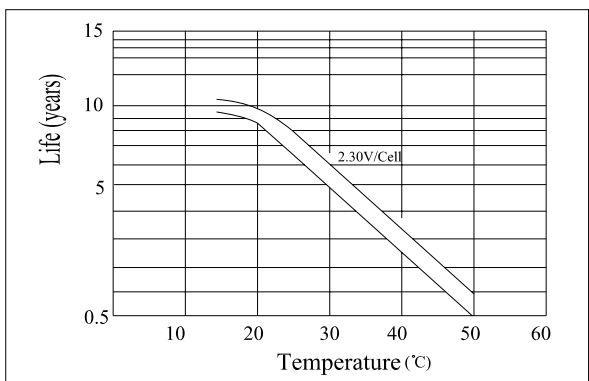
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**Cycle Life on D.O.D(25°C)**



**Floating Life on Temperature**



**Charging Characteristics(25°C)**