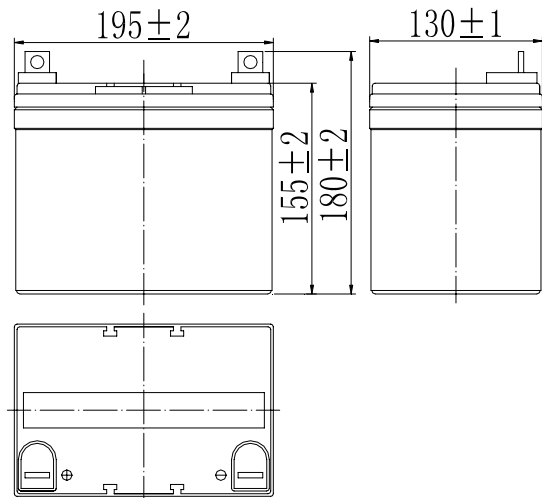


**Specifications**

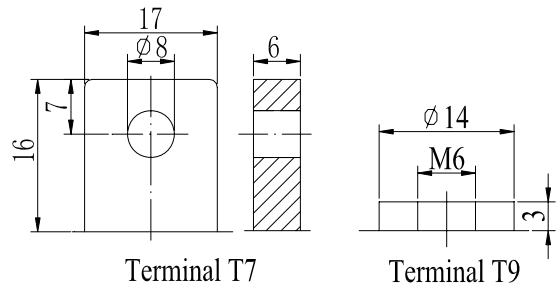
Nominal Voltage		12 V
Number of cell		6 cells
Capacity(10HR, 25°C)		33 Ah
Capacity(15min.rate, 25°C)		125 Watts/cell
Dimension	Length	195 ± 2mm (7.68inch)
	Width	130 ± 1mm (5.12inch)
	Height	155 ± 2mm (6.10inch)
	Total Height	T7: 180 ± 2mm (7.09inch) T9: 166 ± 2mm (6.54inch)
Approx. Weight		10.5kg (23.2lbs) ± 5%
Terminal type		T7/T9
Internal resistance (Fully charged, 25°C)		Approx. 9m 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		9.9A
Terminal material		T7: Lead, T9: Copper
Maximum discharge current		330A(5 sec.)
Designed floating life(20°C)		7~10 years

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

**Dimensions**



**Terminal**



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

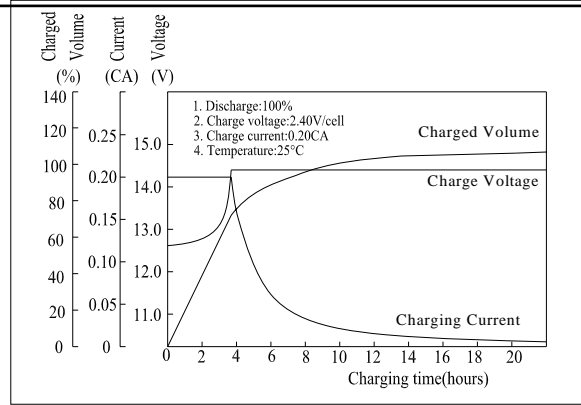
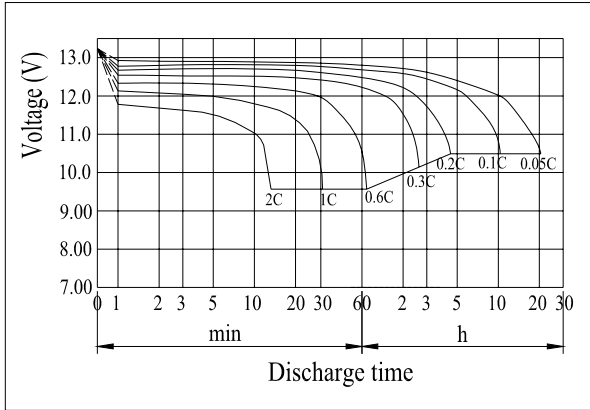
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	81.7	66.8	53.5	37.9	28.2	23.0	12.1	8.65	6.06	3.39	1.80
1.65V/cell	79.2	65.2	52.2	37.1	27.7	22.7	12.0	8.60	6.02	3.39	1.79
1.67V/cell	78.0	64.8	51.3	36.7	27.3	22.4	12.0	8.57	6.01	3.38	1.79
1.70V/cell	76.0	62.8	50.3	36.0	26.8	22.1	11.9	8.54	5.98	3.38	1.79
1.75V/cell	72.7	60.7	48.5	35.1	26.2	21.7	11.7	8.48	5.94	3.36	1.78
1.80V/cell	68.6	57.5	46.0	33.8	25.2	21.0	11.4	8.23	5.76	3.33	1.77

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

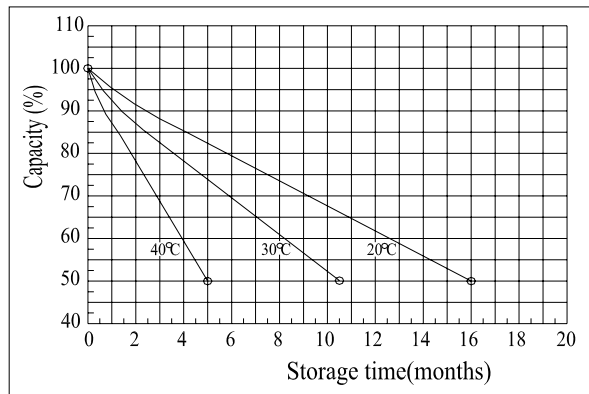
F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	154	129	103	73.1	54.5	44.4	23.5	17.0	12.0	6.79	3.59
1.65V/cell	149	126	101	71.6	53.4	43.8	23.4	16.9	11.9	6.77	3.59
1.67V/cell	147	125	99.1	70.7	52.7	43.3	23.3	16.9	11.9	6.77	3.58
1.70V/cell	143	121	97.0	69.4	51.7	42.6	23.2	16.8	11.8	6.75	3.58
1.75V/cell	137	117	93.7	67.7	50.5	41.8	22.8	16.7	11.8	6.71	3.56
1.80V/cell	129	111	88.7	65.3	48.6	40.5	22.2	16.2	11.4	6.67	3.53

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

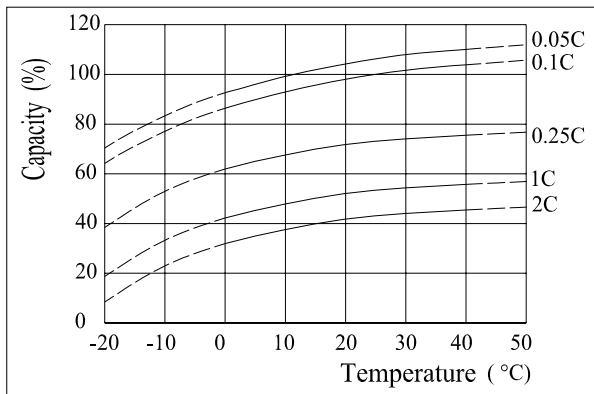
**Discharge Characteristics(25°C)**



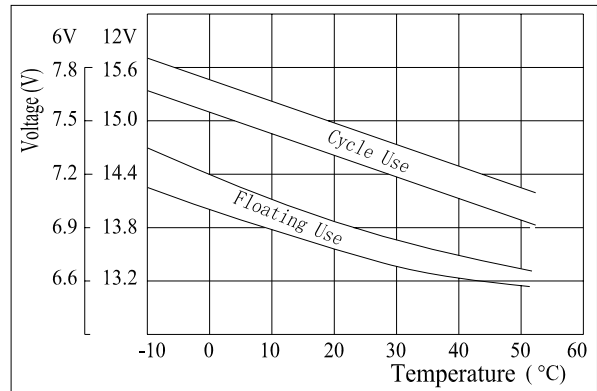
**Self-discharge Characteristics**



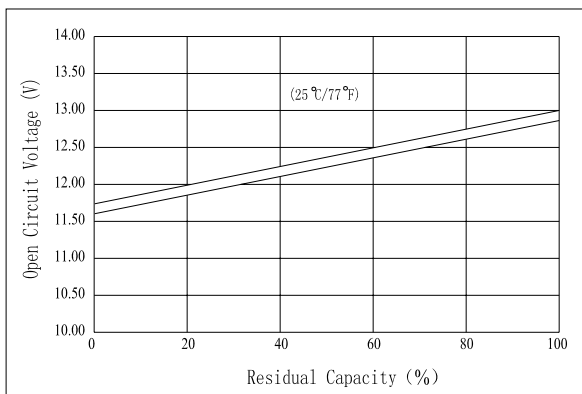
**Effect of Temperature on Capacity**



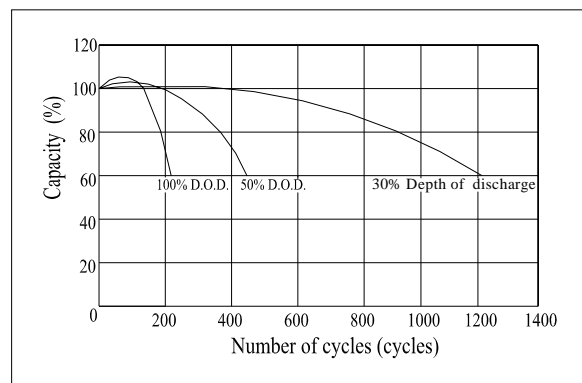
**The Relationship for Charging Voltage and Temperature**



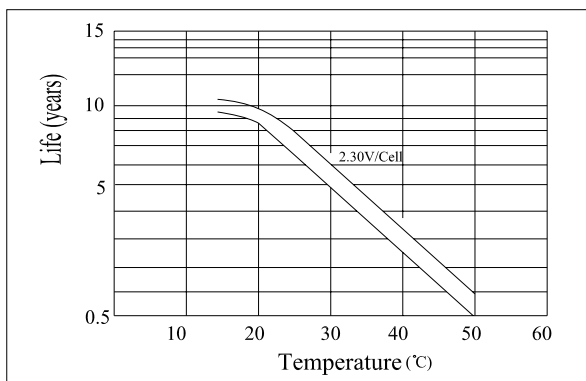
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**Cycle Life on D.O.D(25°C)**



**Floating Life on Temperature**



**Charging Characteristics(25°C)**