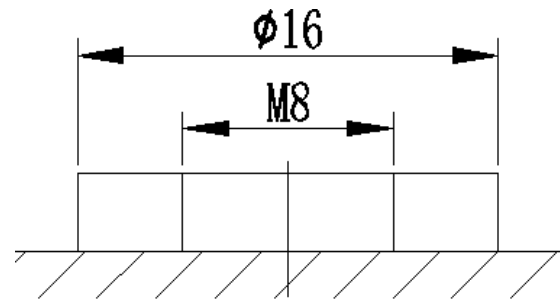
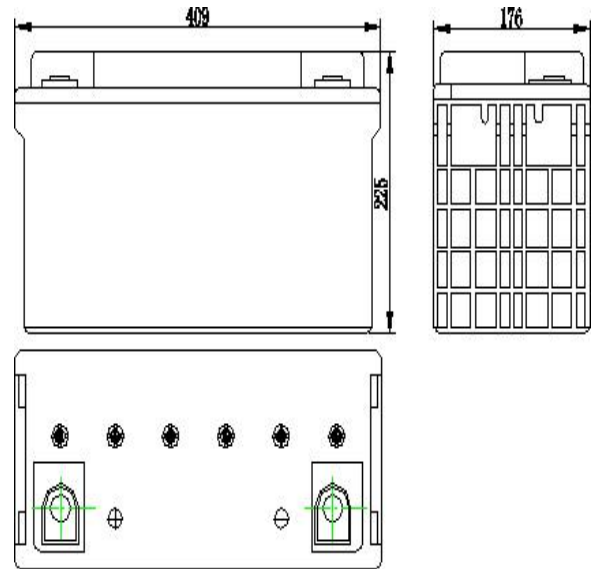




**Specifications**

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100Ah
	5HR(10.5V)	89Ah
	1HR(9.60V)	53.1Ah
Dimension	Length	409 ± 2mm (16.1inch)
	Width	176 ± 2mm (6.93inch)
	Height	225 ± 2mm (8.86inch)
	Total Height	T11: 225 ± 2mm (8.86inch)
Approx. Weight		Approx.35kg (77.1lbs)
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 6.3m Ω
Capacity affected by temperature (10HR)	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)		13.80 to 14.10V Temperature compensation: -30mV/°C
Maximum charging current		20A
Terminal material		Copper
Maximum discharge current		625A (5 sec.)
Designed floating life(20°C)		20 years



Terminal T11

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	122	120	108	83.0	53.1	34.3	25.3	21.3	18.2	15.5	11.7	10.2	5.40	4.65
1.65V	118	116	105	81.3	52.3	34.1	25.1	21.2	18.0	15.4	11.7	10.2	5.38	4.64
1.70V	113	112	102	78.9	51.0	33.8	25.0	21.0	17.9	15.3	11.6	10.1	5.37	4.61
1.75V	109	107	98.1	76.9	50.0	33.3	24.8	20.9	17.8	15.2	11.5	10.1	5.34	4.60
1.80V	102	101	92.9	74.1	48.4	32.4	24.1	20.3	17.3	14.7	11.2	10.0	5.30	4.58

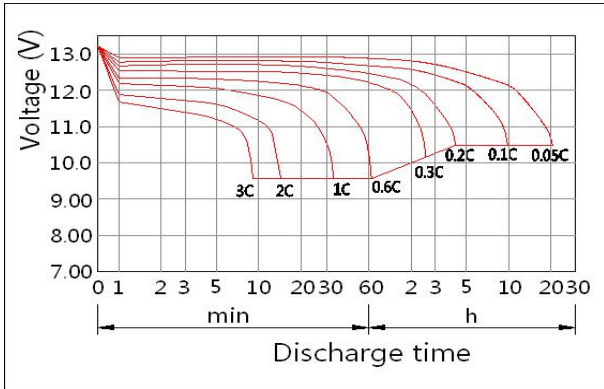
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	214	216	198	155	101	66.2	49.6	41.8	35.8	30.5	23.2	20.3	10.8	9.34
1.65V	207	210	193	152	99.4	65.8	49.3	41.5	35.6	30.4	23.1	20.2	10.8	9.33
1.70V	199	201	186	147	96.9	65.2	48.9	41.3	35.3	30.2	22.9	20.2	10.7	9.26
1.75V	190	192	179	144	94.9	64.3	48.6	41.0	35.1	29.9	22.8	20.0	10.7	9.24
1.80V	179	181	170	139	92.0	62.6	47.1	39.7	34.0	29.0	22.1	19.9	10.6	9.21

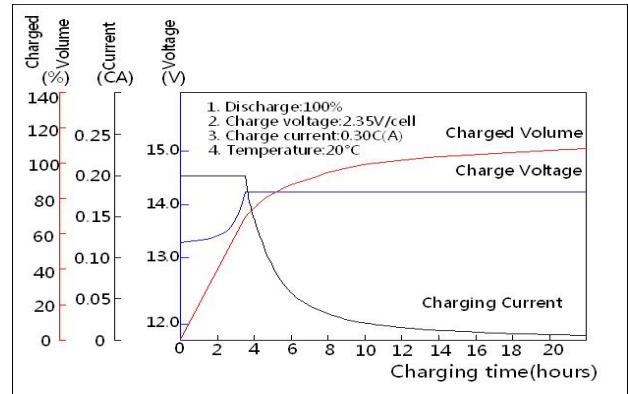
Note: The above characteristics data can be obtained within three charge/discharge cycles.



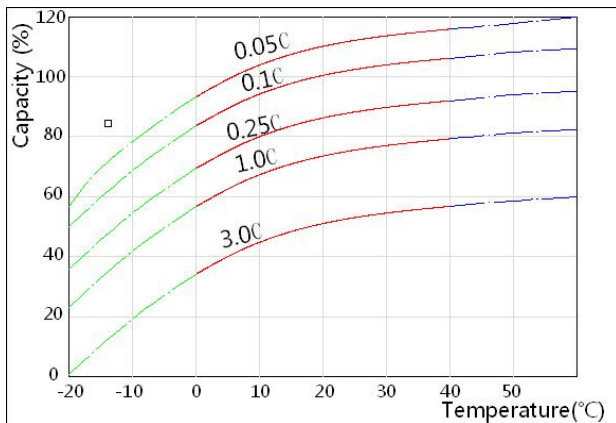
**Discharge Characteristics(25°C)**



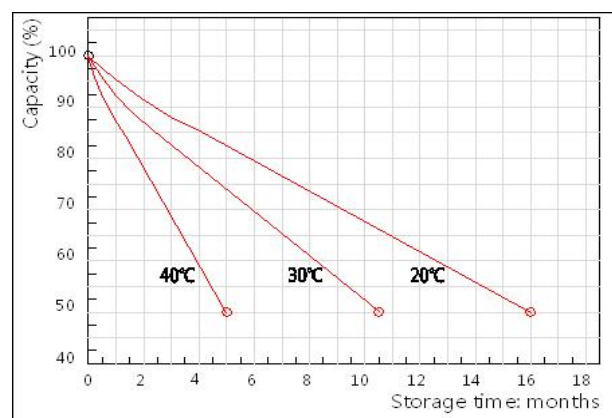
**Charging Characteristics(25°C)**



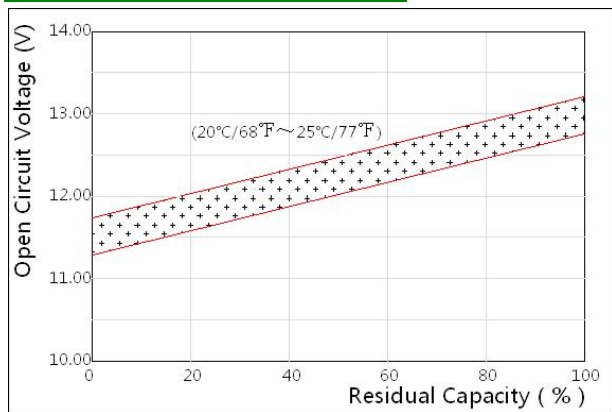
**Effect of Temperature on Capacity**



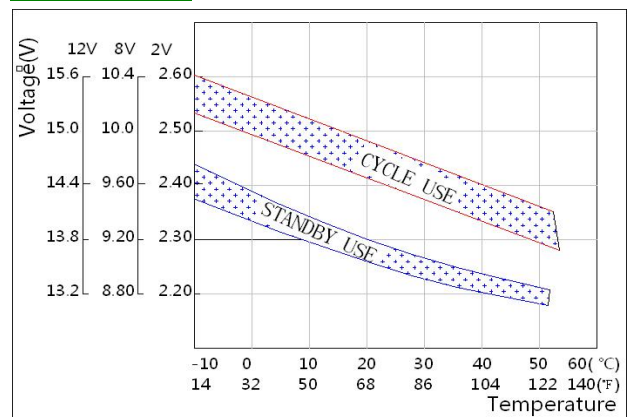
**Self-discharge Characteristics**



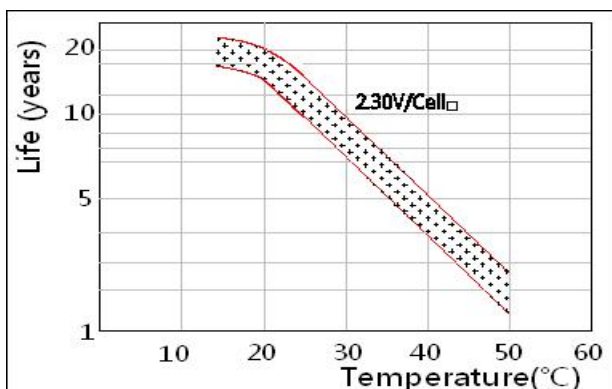
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D.(25°C)**

