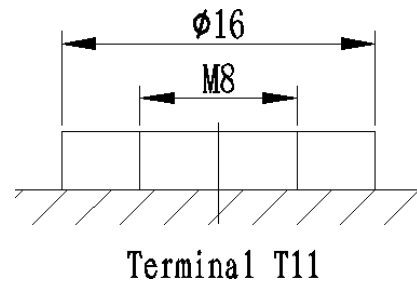
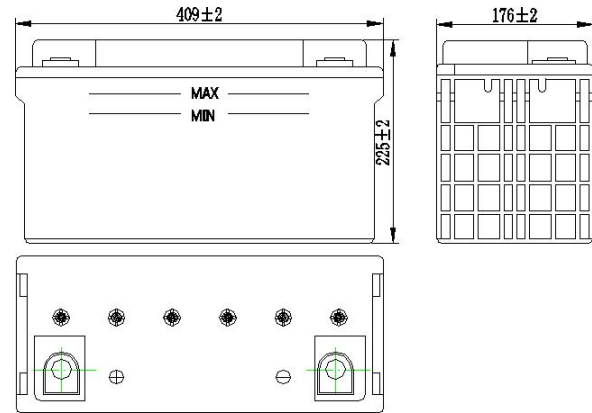




Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100Ah
	5HR(10.5V)	90Ah
	1HR(9.60V)	56Ah
Dimension	Length	409 ± 2mm (16.1inch)
	Width	176 ± 2mm (6.93inch)
	Height	225 ± 2mm (8.86inch)
	Total Height	T11: 225 ± 2mm (8.86inch)
Battery Weigh	Dry	24.5kg (53.9lbs) ± 4%
	Wet	35kg (77.1lbs) ± 4%
Acid Weight (d=1.24kg/l)		Approx.10.5kg (239lbs)
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 5.5m 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)		13.20 to 13.44V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		30A
Terminal material		Copper
Maximum discharge current		625A (5 sec.)
Designed floating life(20°C)		20 years



- ◆ Tubular Positive Plate;
- ◆ Flooded Battery;
- ◆ Transparent 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	117	106	82.0	56.0	33.5	26.2	21.1	18.5	15.7	12.0	10.2	5.50	4.78
1.65V	118	113	103	80.4	55.2	33.3	26.0	20.9	18.4	15.6	11.9	10.2	5.49	4.78
1.70V	113	109	99.6	77.9	53.8	33.0	25.7	20.6	18.1	15.4	11.8	10.1	5.47	4.76
1.75V	109	104	96.2	76.0	52.7	32.5	25.5	20.5	18.0	15.3	11.7	10.1	5.44	4.73
1.80V	102	98.3	91.2	73.2	51.1	31.7	24.7	19.9	17.5	14.8	11.3	10.0	5.40	4.70

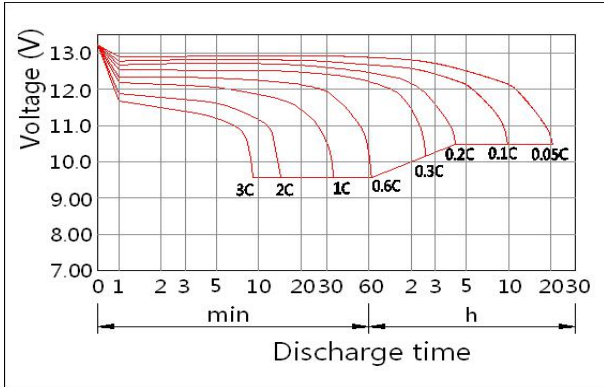
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	218	211	194	153	106	64.6	51.3	41.3	36.4	31.0	23.8	20.3	11.0	9.62
1.65V	212	204	189	150	105	64.3	51.0	41.0	36.2	30.8	23.7	20.2	11.0	9.60
1.70V	203	196	182	146	102	63.7	50.3	40.5	35.7	30.4	23.3	20.2	10.9	9.57
1.75V	194	187	176	142	100	62.7	50.0	40.2	35.5	30.1	23.2	20.0	10.9	9.51
1.80V	183	177	167	137	97.0	61.1	48.5	39.0	34.4	29.2	22.5	19.9	10.8	9.45

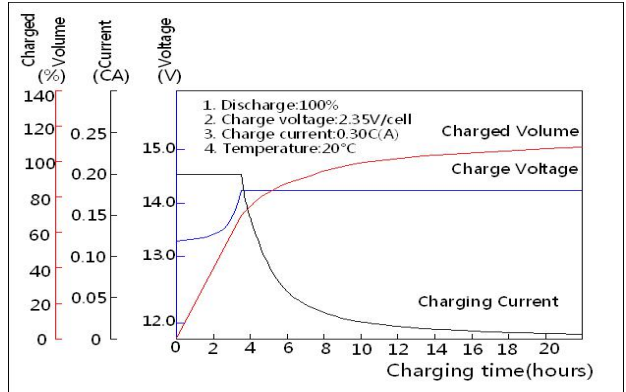
Note: The above characteristics data can be obtained within three charge/discharge cycles.



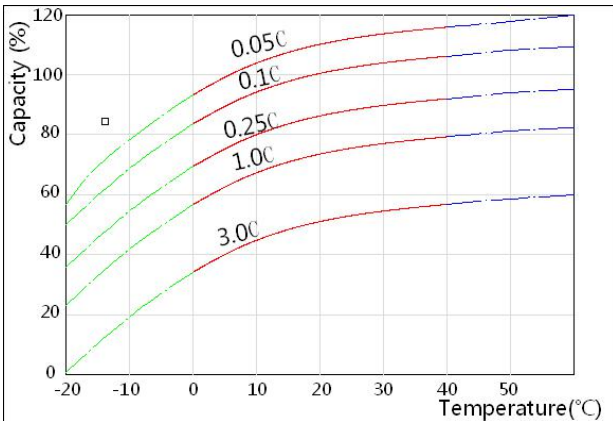
Discharge Characteristics(25°C)



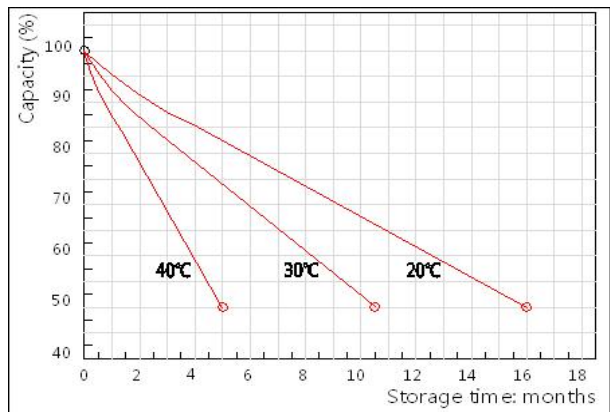
Charging Characteristics(25°C)



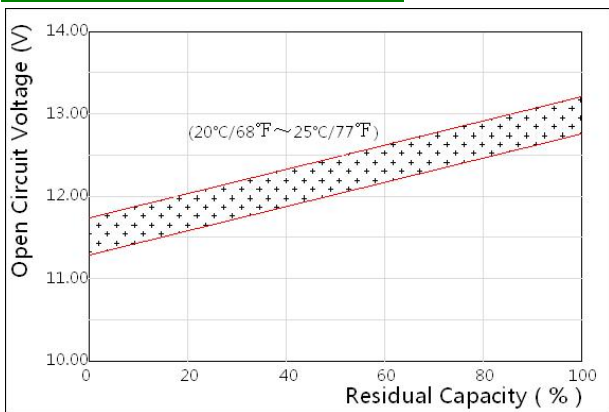
Effect of Temperature on Capacity



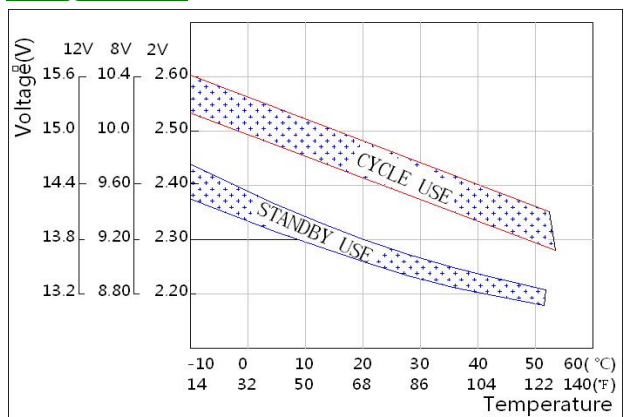
Self-discharge Characteristics



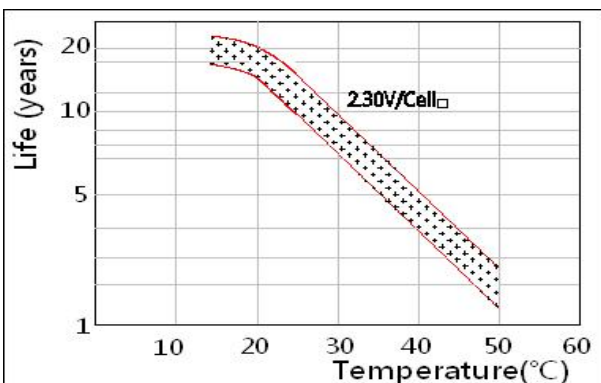
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

