



Specification

Cells Per Unit
Voltage Per Unit
Capacity
Weight
Maximum Discharge Current
Internal Resistance
Operating Temperature Range
Nominal Operating Temperature Range
Float Charging Voltage
Recommended Maximum Charging Current Limit
Equalization and Cycle Service
Self Discharge
Terminal
Container Material

6
12
80Ah @10hr-rate to 1.8V per cell @25°C (77°F)
Approx. 24 kg(52.8 lbs)
800A(5sec)
Approx. 5 mΩ
Discharge: -15°C~50°C (5°F~122°F)
Charge: -15°C~40°C (5°F~104°F)
Storage: -15°C~40°C (5°F~104°F)
25°C±3°C (77°F±5°F)
13.5 to 13.8 VDC/unit Average at 25°C (77°F)
17.5A
14.4 to 14.8 VDC/unit Average at 25°C (77°F)
Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Thread lead alloy recessed terminal to accept M6 bolt ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.

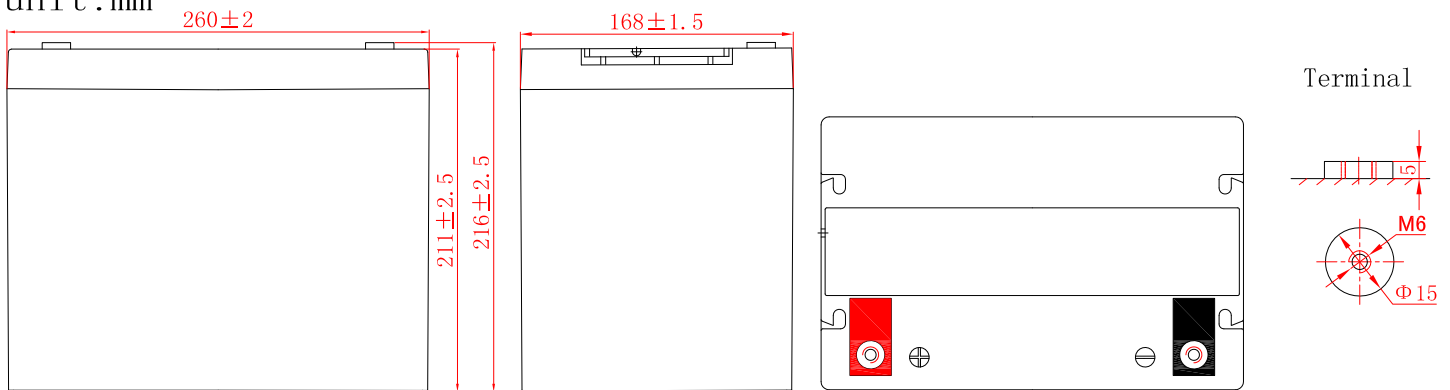


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Dimensions :	Overall Height (H)	Container height (h)	Length (L)	Width (W)
Unit: mm	216±2.5	211±2.5	260±2	168±1.5

unit :mm



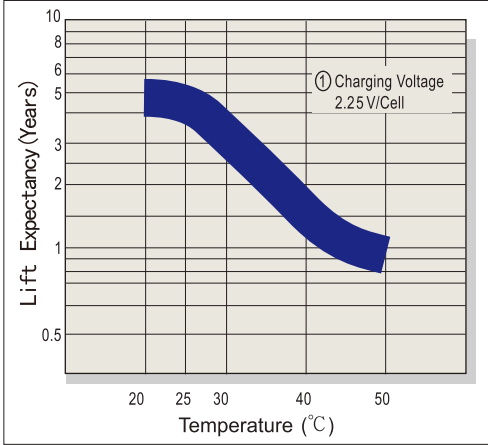
Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	290	141	89.4	53.8	24.6	16.31	8.60	4.61
1.67V	275	139	87.7	53.1	24.3	16.07	8.56	4.59
1.7V	258	135	85.5	52.1	23.8	15.72	8.50	4.57
1.75V	239	129	82.7	50.6	23.0	15.22	8.41	4.52
1.8V	215	120	79.1	48.4	21.8	14.50	8.26	4.44
1.85V	187	106	74.2	44.8	19.9	13.43	8.00	4.30

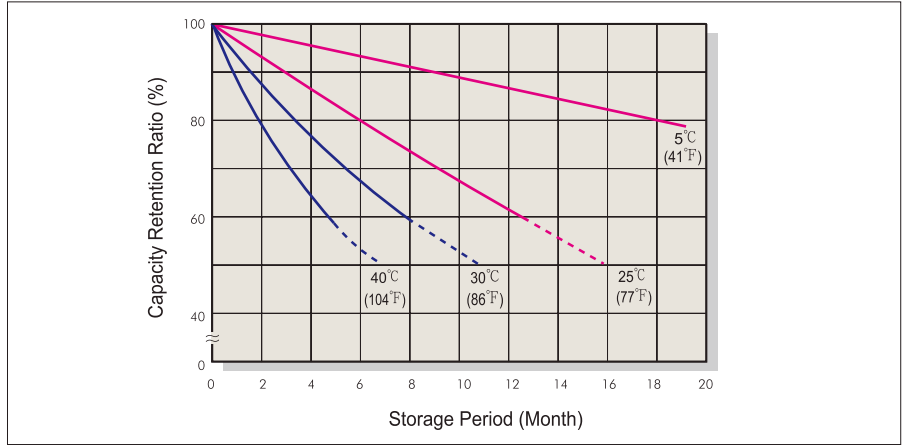
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	474	302	172.7	102.3	48.6	31.8	16.92	9.15
1.67V	452	286	169.6	101.1	47.8	31.5	16.85	9.13
1.7V	422	267	165.9	99.5	46.8	30.9	16.70	9.08
1.75V	381	244	161.0	97.4	45.3	29.9	16.48	8.97
1.8V	327	216	154.1	94.7	42.9	28.6	16.19	8.83
1.85V	254	182	144.4	89.1	39.6	26.7	15.83	8.58

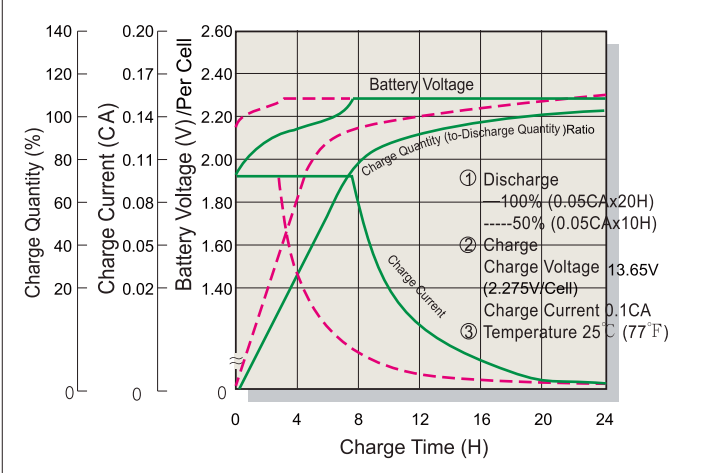
Trickle(or Float)Design Life



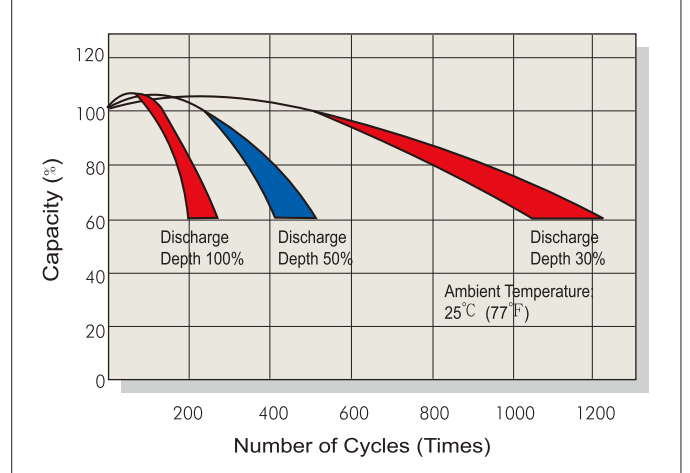
Capacity Retention Characteristic



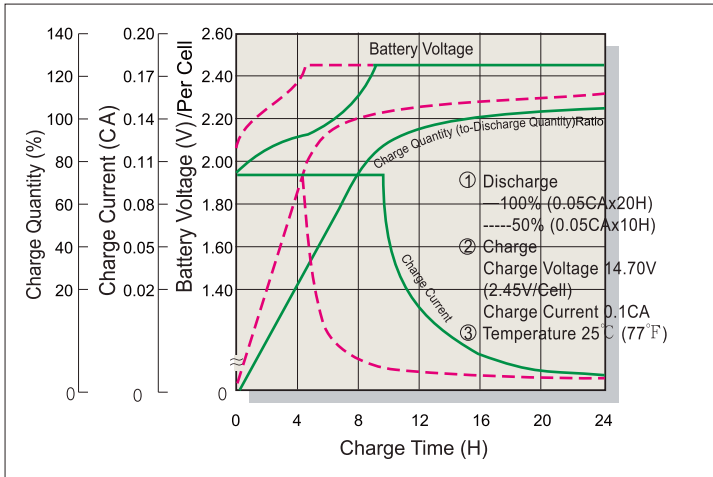
Battery Voltage and Charge Time for Standby Use



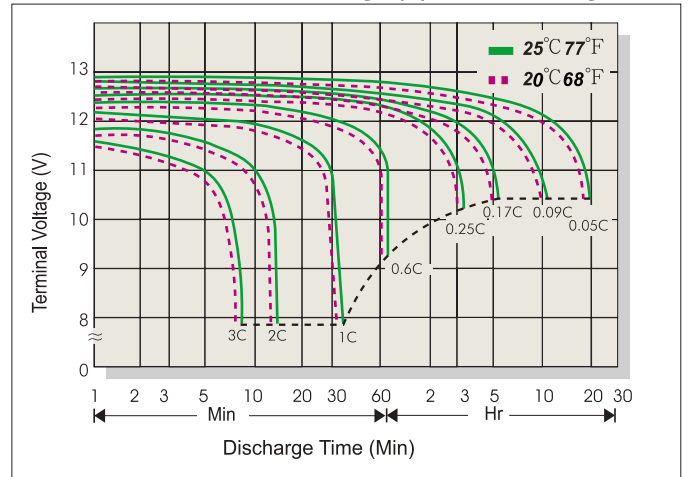
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)		Max.Charge Current
	Temperature	Set Point Allowable Range	
Cycle Use	25°C (77°F)	2.45 2.40~2.50	0.3C
Standby	25°C (77°F)	2.275 2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.65	1.60
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Effect of temperature on capacity (10HR)

Temperature	Dependency of Capacity (10HR)
40°C	102%
25°C	100%
0°C	85%
-15°C	65%

Self-discharge Characteristics

Storage time	Charge Voltage(V/Cell)
3 Months	91%
6 Months	82%
12 Months	64%