

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	1225 Ah
	10HR(1.80V)	1000 Ah
	1HR(1.60V)	570Ah
Dimension	Length	233 ± 2mm (9.17inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		68.6kg (151lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.4m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
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)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -4mV/°C
Maximum charging current		200A
Terminal material		Copper
Maximum discharge current		4000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard.

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

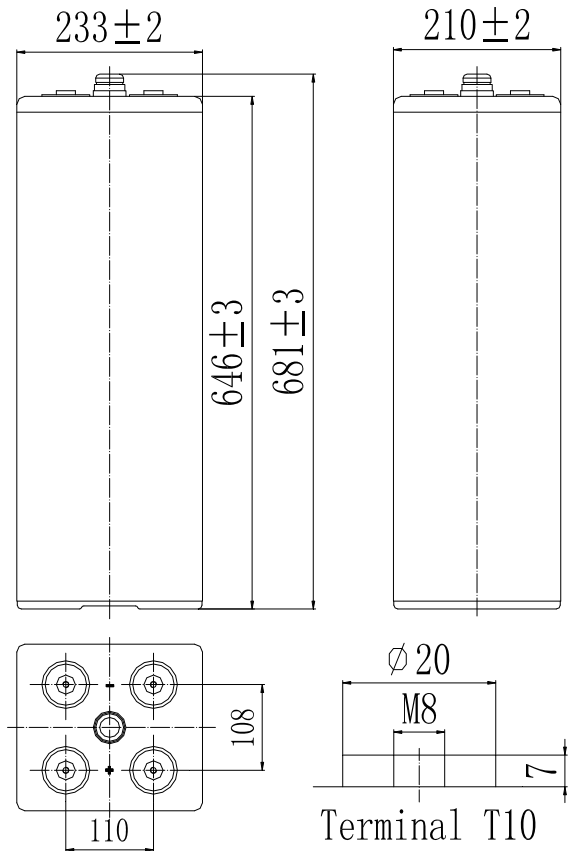
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	833	561	343	264	213	182	156	123	102	53.8	46.4	---	---	---	---
1.70V	808	547	340	262	211	180	155	122	101	53.7	46.1	24.5	---	---	---
1.75V	788	536	335	260	210	179	154	121	101	53.4	46.0	24.4	16.6	---	---
1.80V	759	520	326	252	204	174	149	117	100	53.0	45.8	24.2	16.5	---	---
1.85V	721	494	310	239	194	165	142	111	95.0	50.4	43.5	23.7	16.2	12.1	10.2

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

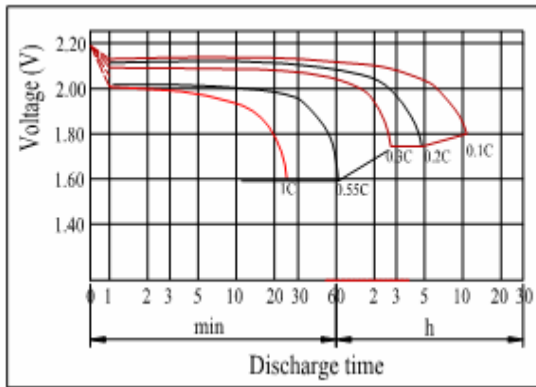
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1558	1067	662	517	417	358	308	243	202	108	93.3	---	---	---	---
1.70V	1510	1040	656	513	414	355	306	241	202	107	92.6	49.5	---	---	---
1.75V	1473	1019	646	510	412	353	303	240	200	107	92.4	49.2	33.9	---	---
1.80V	1419	988	630	494	399	342	294	232	199	106	92.1	48.9	33.7	---	---
1.85V	1348	939	599	469	379	325	279	220	189.1	100.7	87.5	47.9	33.0	24.4	20.8

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

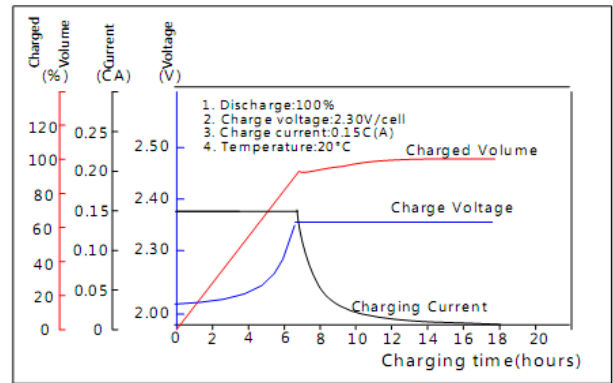
**Dimensions**



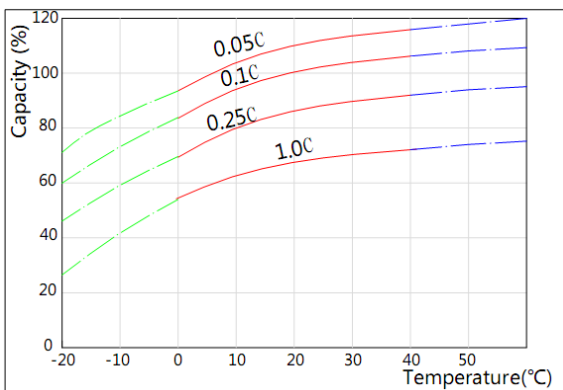
Discharge Characteristics(25°C)



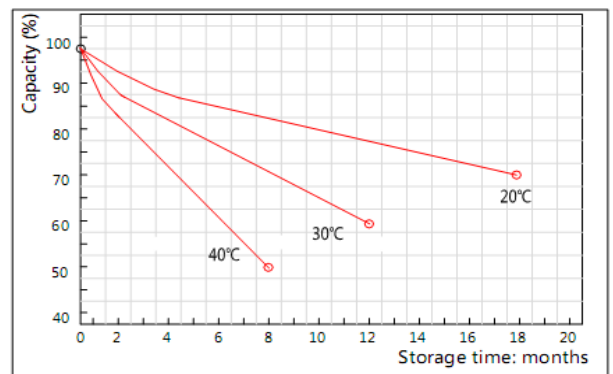
Charging Characteristics(25°C)



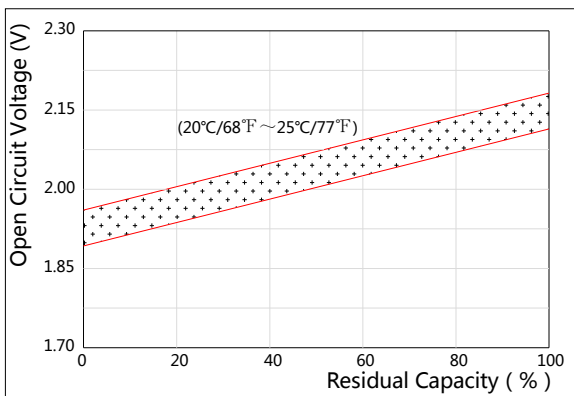
Effect of Temperature on Capacity



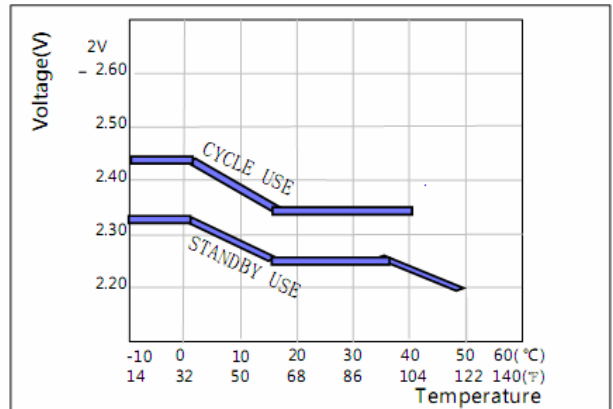
Self-discharge Characteristics



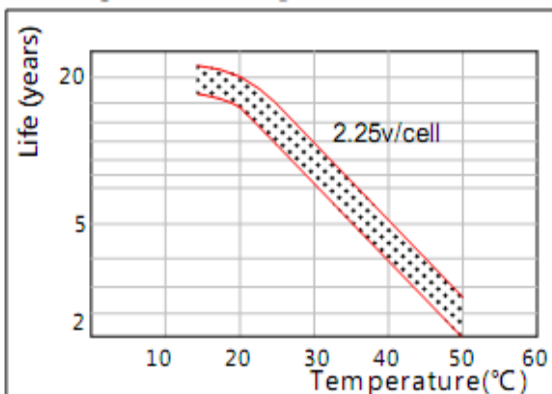
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

