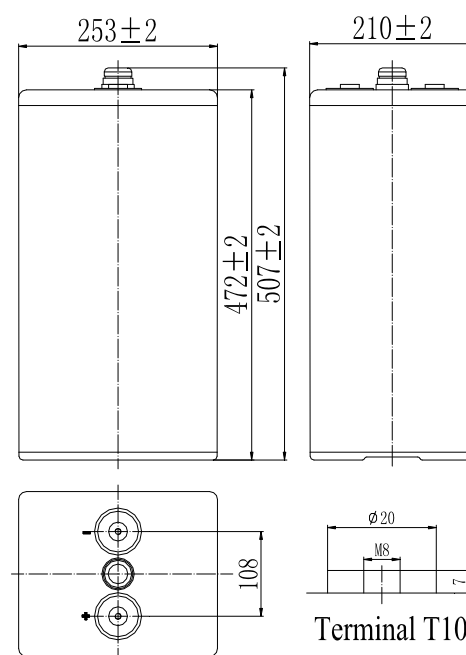


## Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	940Ah
	10HR(1.80V)	770Ah
	1HR(1.60V)	431Ah
Dimension	Length	253 ± 2mm (9.96inch)
	Width	210 ± 2mm (8.27inch)
	Height	471 ± 3mm (18.5inch)
	Total Height	506 ± 3mm (19.9inch)
Approx. Weight		56.5kg (124.3lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx.0.50 m 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		154A
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.

## Dimensions



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

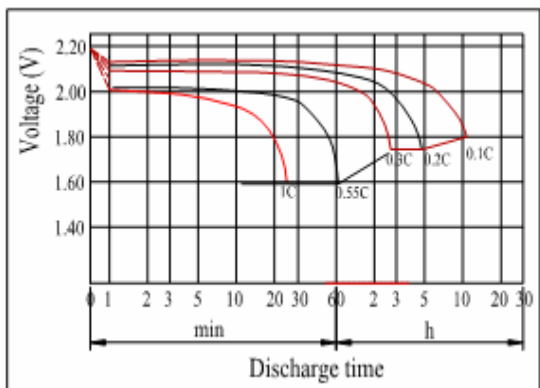
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	641	428	264	203	164	140	120	94.7	78.5	41.4	35.7	---	---	---	---
1.70V	622	421	262	202	162	139	119	93.9	77.8	41.3	35.5	18.9	---	---	---
1.75V	607	413	258	200	162	138	119	93.2	77.8	41.1	35.4	18.8	12.8	---	---
1.80V	584	400	251	194	157	134	115	90.1	77.0	40.8	35.3	18.6	12.7	---	---
1.85V	555	380	239	184	149	127	109	85.5	73.2	38.8	33.5	18.2	12.5	9.32	7.85

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

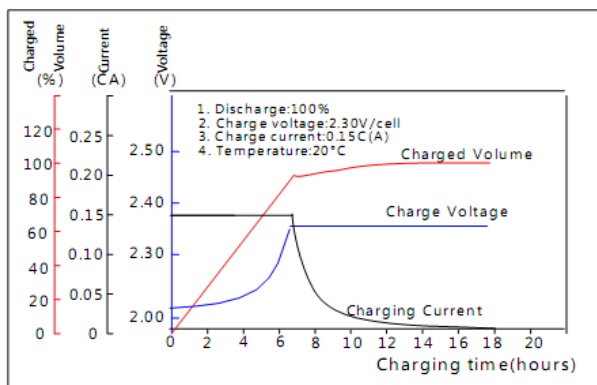
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1200	822	510	398	321	276	237	187	156	83.2	71.8	---	---	---	---
1.70V	1163	801	505	395	319	273	236	186	156	82.4	71.3	38.1	---	---	---
1.75V	1134	785	497	393	317	272	233	185	154	82.4	71.1	37.9	26.1	---	---
1.80V	1093	761	485	380	307	263	226	179	153	81.6	70.9	37.7	25.9	---	---
1.85V	1038	723	461	361	292	250	215	169	146	77.5	67.4	36.9	25.4	18.8	16.0

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

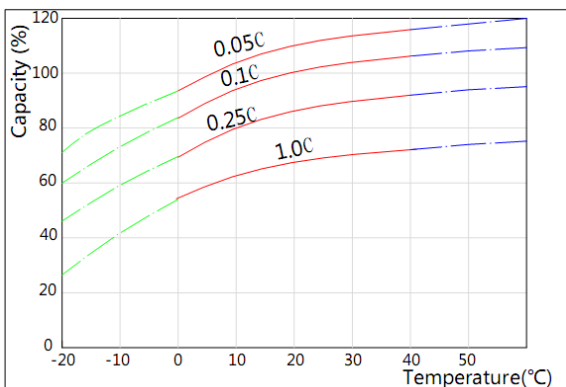
**Discharge Characteristics(25°C)**



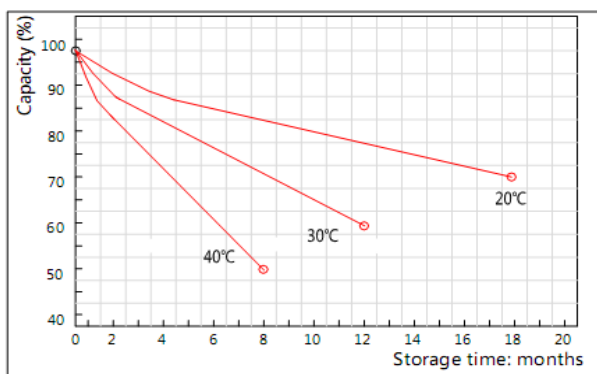
**Charging Characteristics(25°C)**



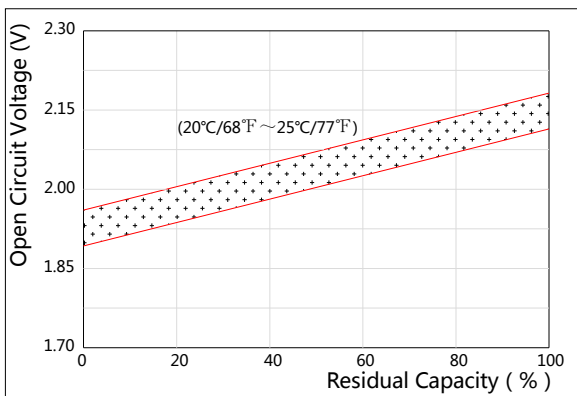
**Effect of Temperature on Capacity**



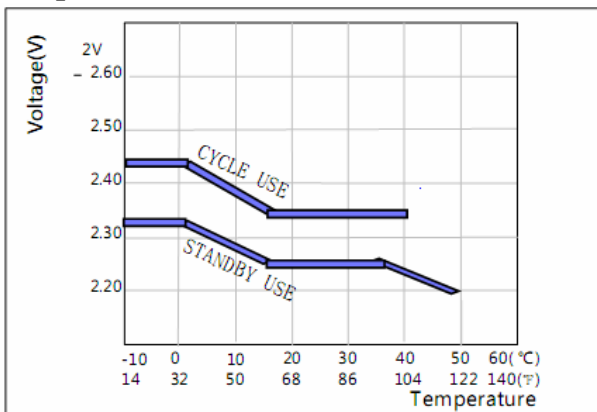
**Self-discharge Characteristics**



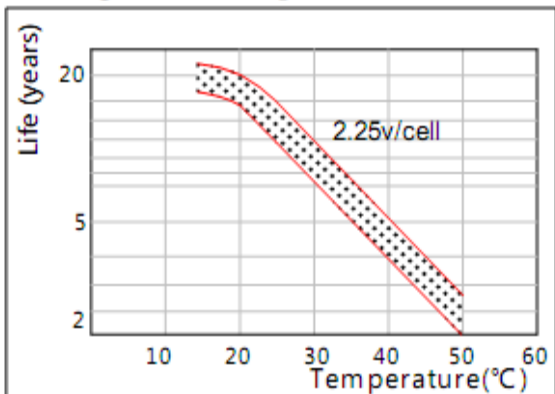
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

