

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	735 Ah
	10HR(1.80V)	600 Ah
	1HR(1.60V)	336Ah
Dimension	Length	145 ± 2mm (5.71inch)
	Width	206 ± 2mm (8.11inch)
	Height	646 ± 3mm (25.4inch)
	Total Height	681 ± 3mm (26.8inch)
Approx. Weight		41.5kg (91.3lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx.0.60 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		120A
Terminal material		Copper
Maximum discharge current		3000A(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)**

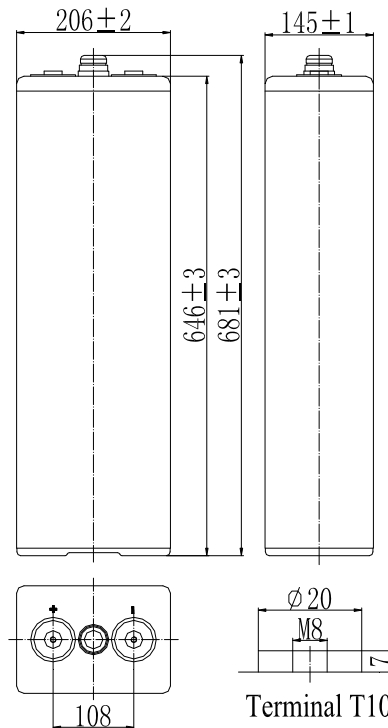
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	500	337	206	158	128	109	93.6	73.8	61.2	32.3	27.8	---	---	---	---
1.70V	485	328	204	157	127	108	93.0	73.2	60.6	32.2	27.7	14.7	---	---	---
1.75V	473	322	201	156	126	107	92.4	72.6	60.6	32.0	27.6	14.6	10.0	---	---
1.80V	455	312	196	151	122	104	89.4	70.2	60.0	31.8	27.5	14.5	9.90	---	---
1.85V	433	296	186	143	116	99.0	85.2	66.6	57.0	30.2	26.1	14.2	9.72	7.26	6.12

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

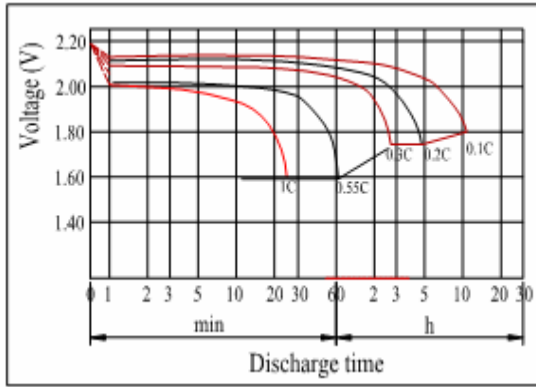
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	935	640	397	310	250	215	185	146	121	64.8	56.0	---	---	---	---
1.70V	906	624	394	308	248	213	184	145	121	64.2	55.6	29.7	---	---	---
1.75V	884	611	388	306	247	212	182	144	120	64.2	55.4	29.5	20.3	---	---
1.80V	851	593	378	296	239	205	176	139	119	63.6	55.3	29.3	20.2	---	---
1.85V	809	563	359	281	227	195	167	132	113	60.4	52.5	28.7	19.8	14.6	12.5

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

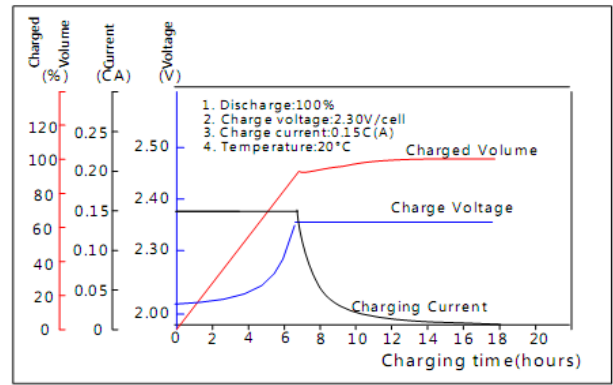
**Dimensions**



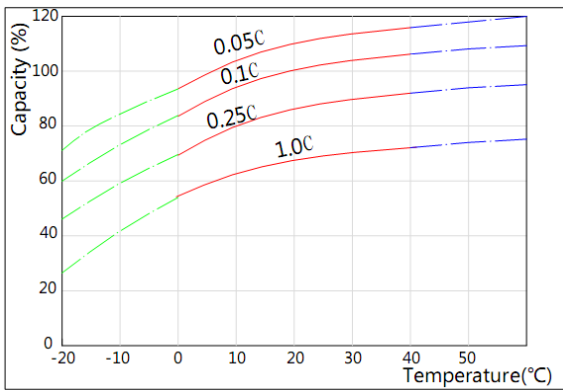
Discharge Characteristics(25°C)



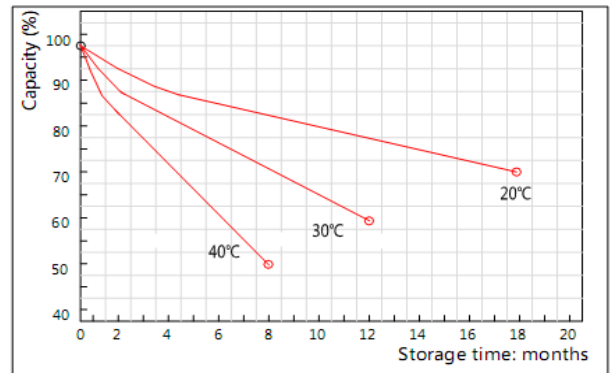
Charging Characteristics(25°C)



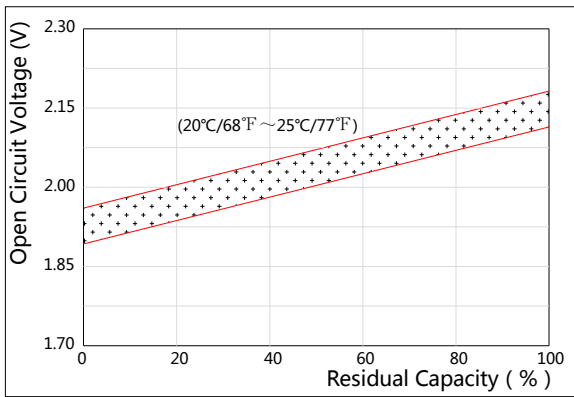
Effect of Temperature on Capacity



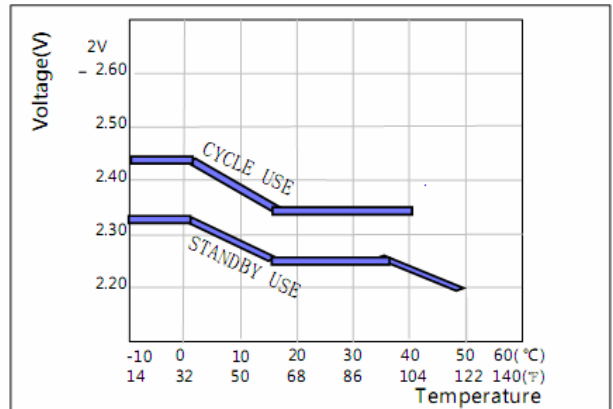
Self-discharge Characteristics



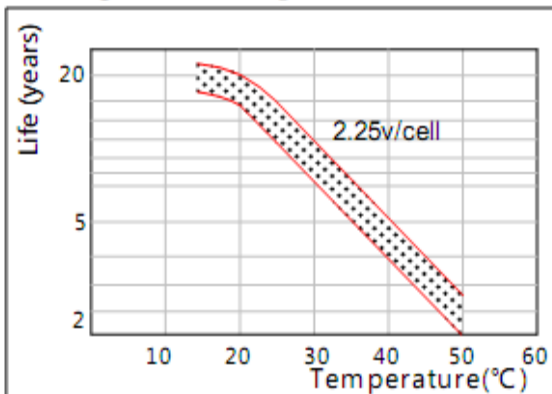
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

