

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	600 Ah
	3HR(1.75V)	450Ah
	1HR(1.60V)	341Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	145 ± 1mm (5.71inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		43kg (94.6lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.45m 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 ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage(25°C)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C
Maximum charging current		120A
Terminal material		Copper
Maximum discharge current		3000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

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

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	480	341	210	154	124	108	92.9	72.6	61.2	32.3	---	---
1.65V	473	335	210	154	122	107	92.3	72.6	61.2	32.3	--	--
1.70V	461	324	209	151	121	106	91.7	72.0	60.6	31.8	14.6	---
1.75V	450	318	204	150	121	106	91.1	71.4	60.6	31.8	14.6	6.06
1.80V	438	306	199	145	117	103	88.1	69.0	60.0	31.7	14.5	6.02

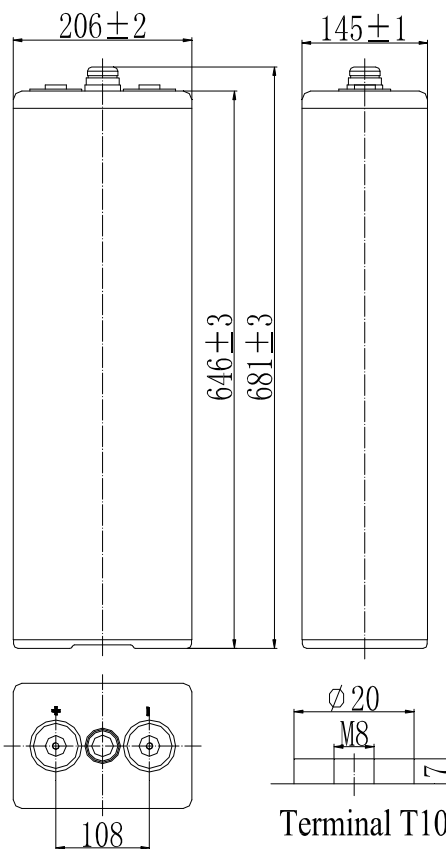
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	899	642	407	300	241	211	184	145	122	64.2	---	---
1.65V	881	635	402	299	240	211	181	144	121	64.2	--	--
1.70V	864	617	401	294	239	210	180	143	121	63.6	29.9	---
1.75V	846	605	395	294	235	209	179	142	120	63.6	29.5	12.36
1.80V	821	588	384	287	229	203	174	138	119	63.0	29.4	12.30

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



**Dimensions**

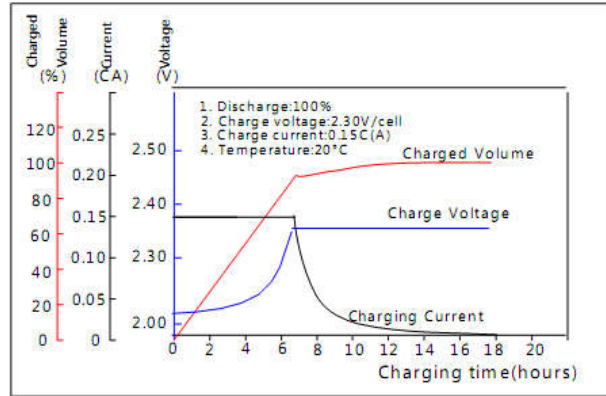


Terminal T10

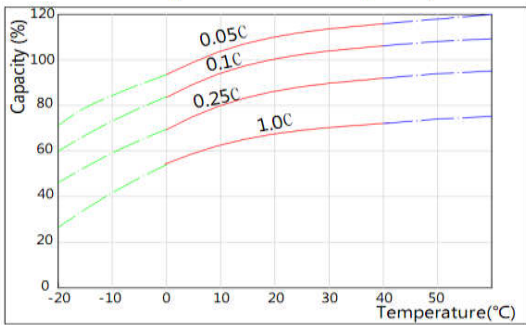
Discharge Characteristics(25°C)



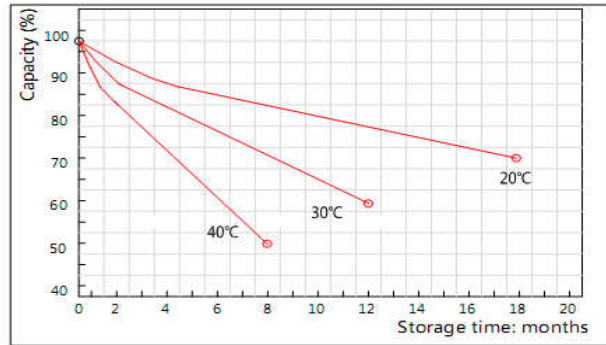
Charging Characteristics(25°C)



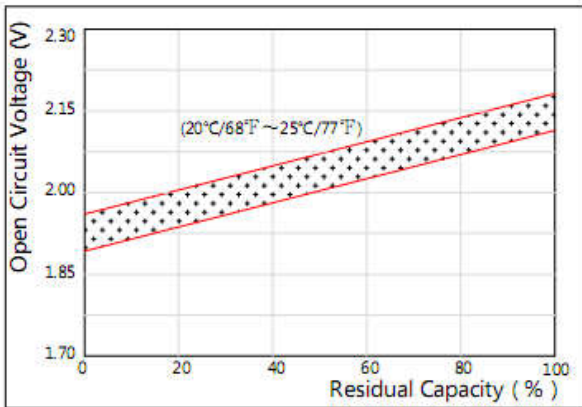
Effect of Temperature on Capacity



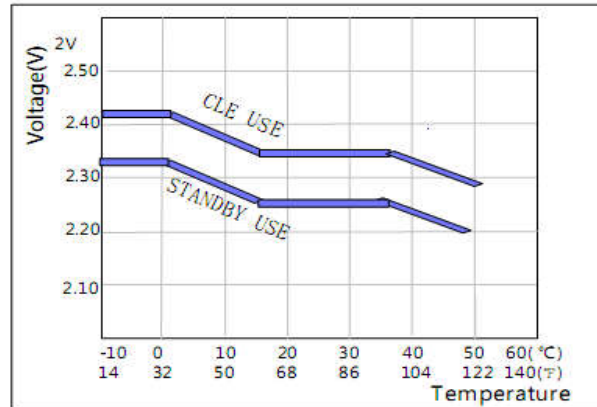
Self-discharge Characteristics



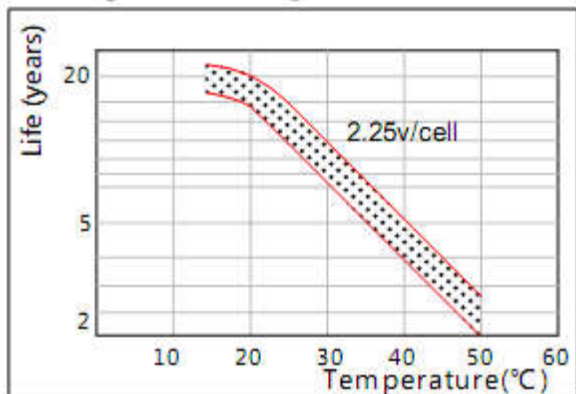
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

