

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	250 Ah
	3HR(1.75V)	191Ah
	1HR(1.75V)	141Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	124 ± 1mm (4.88inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		18.5kg (40.8lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.75m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
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 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.42 to 2.48V Temperature compensation: -5mV/°C
Maximum charging current		50A
Terminal material		Copper
Maximum discharge current		1800A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

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

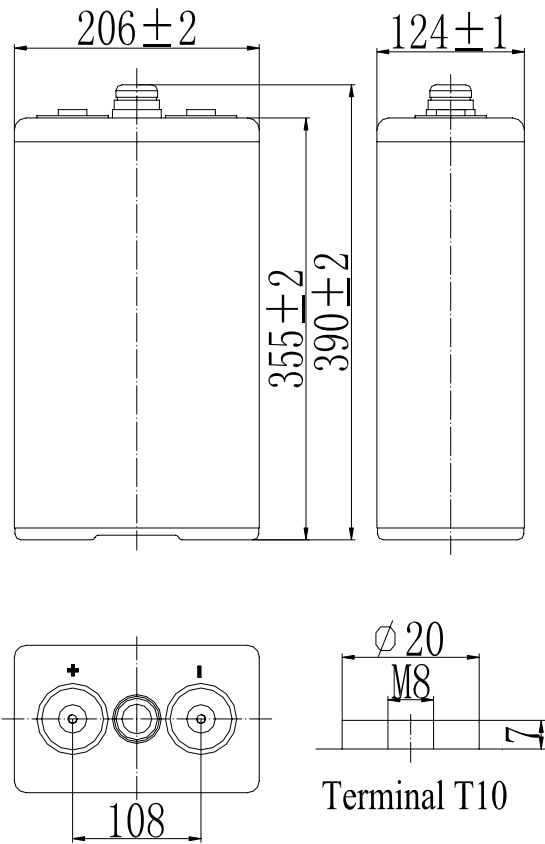
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	225	150	91.4	65.0	52.3	45.4	39.0	30.6	25.5	13.4	11.6
1.65V	221	148	90.8	64.6	52.0	45.1	38.8	30.4	25.4	13.3	11.6
1.70V	214	144	90.0	64.2	51.6	44.8	38.5	30.2	25.3	13.3	11.5
1.75V	209	141	88.7	63.8	51.3	44.5	38.3	30.0	25.2	13.2	11.5
1.80V	201	137	86.4	61.8	49.7	43.2	37.1	29.1	25.0	13.1	11.4

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

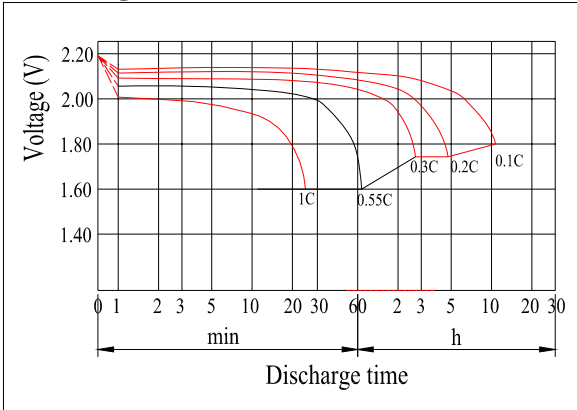
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	421	285	176	127	102	89.4	76.9	60.9	50.6	26.7	23.3
1.65V	412	281	175	127	102	88.9	76.4	60.5	50.5	26.7	23.2
1.70V	400	274	174	126	101	88.3	75.9	60.1	50.4	26.6	23.2
1.75V	390	268	171	125	100	87.7	75.4	59.7	50.1	26.4	23.0
1.80V	376	260	167	121	97.4	85.0	73.1	57.9	49.8	26.3	22.9

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

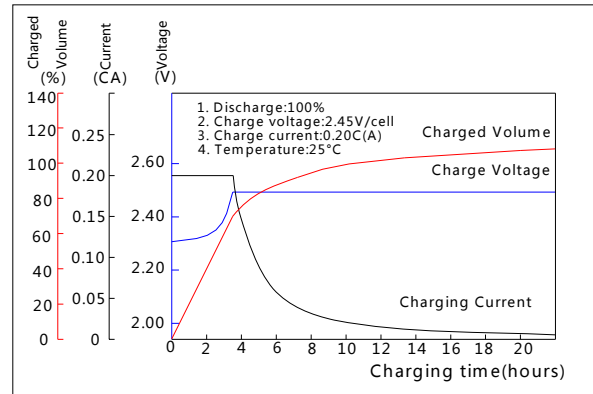
**Dimensions**



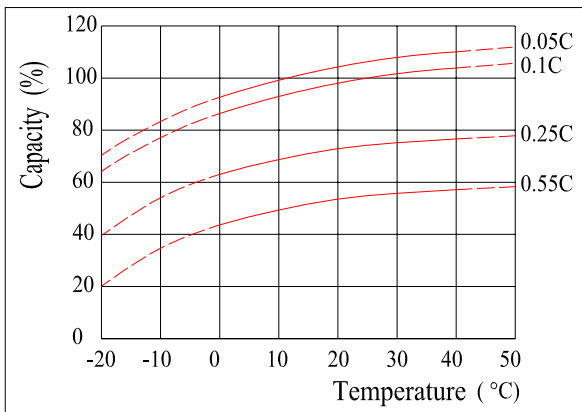
**Discharge Characteristics(25°C)**



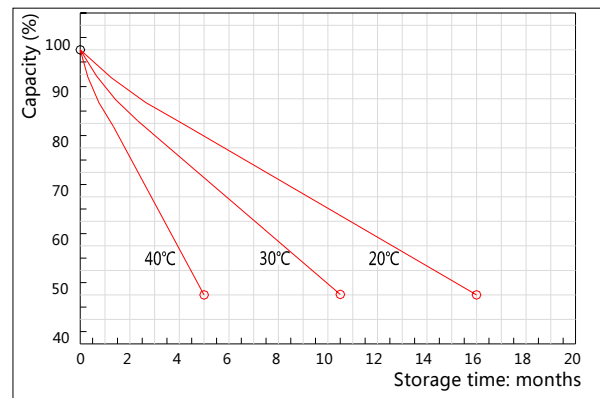
**Charging Characteristics(25°C)**



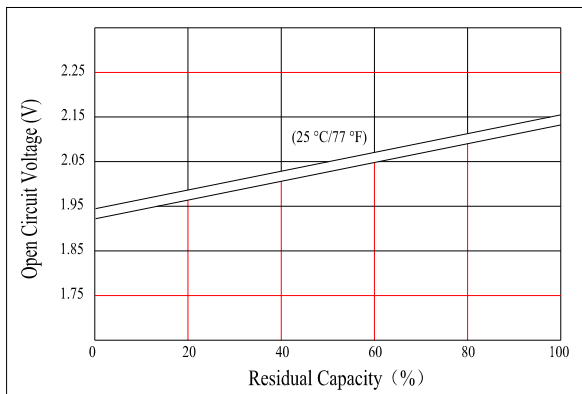
**Effect of Temperature on Capacity**



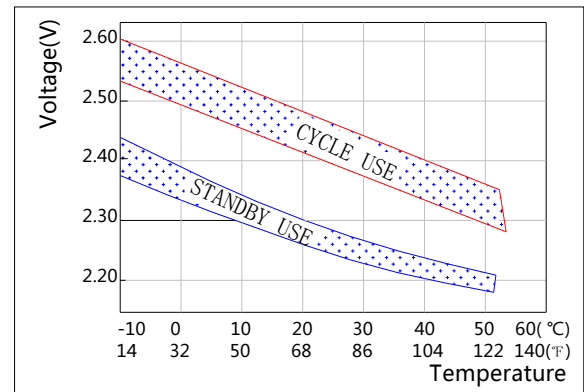
**Self-discharge Characteristics**



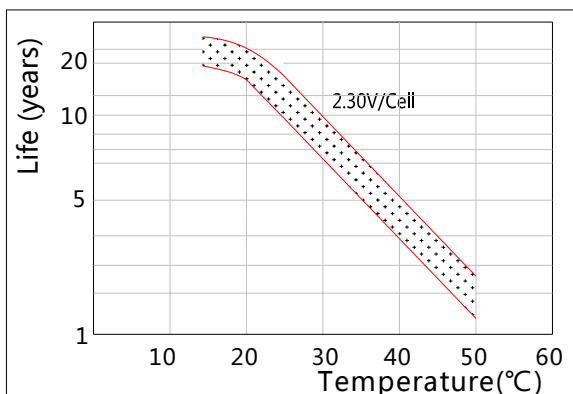
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

