

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	305 Ah
	10HR(1.80V)	250 Ah
	1HR(1.60V)	142Ah
Dimension	Length	124 ± 2mm (4.88inch)
	Width	206 ± 2mm (8.11inch)
	Height	355 ± 3mm (13.9inch)
	Total Height	390 ± 3mm (15.3inch)
Approx. Weight		21.5kg (47.3lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx.1.0 mΩ
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		50A
Terminal material		Copper
Maximum discharge current		1250A(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)

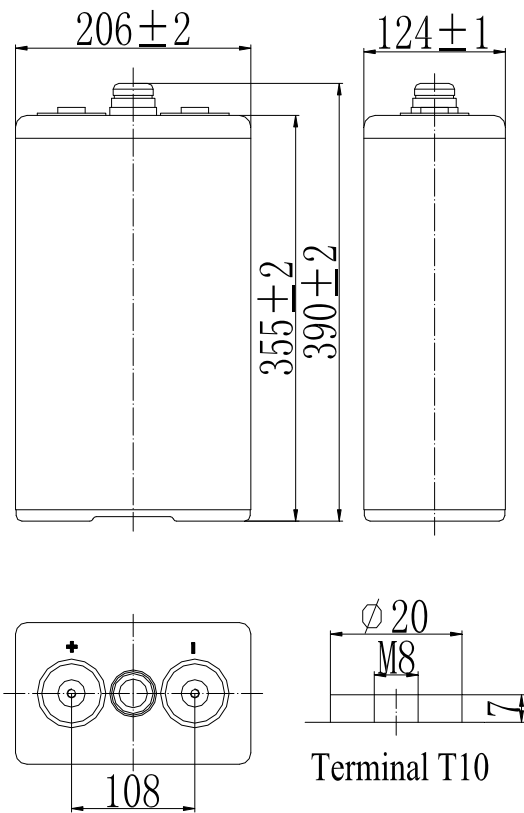
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	208	140	85.8	66.0	53.3	45.5	39.0	30.8	25.5	13.5	11.6	---	---	---	---
1.70V	202	137	85.0	65.5	52.8	45.0	38.8	30.5	25.3	13.4	11.5	6.13	---	---	---
1.75V	197	134	83.8	65.0	52.5	44.8	38.5	30.3	25.3	13.4	11.5	6.10	4.15	---	---
1.80V	190	130	81.5	63.0	51.0	43.5	37.3	29.3	25.0	13.3	11.5	6.05	4.13	---	---
1.85V	180	124	77.5	59.8	48.5	41.3	35.5	27.8	23.8	12.6	10.9	5.93	4.05	3.03	2.55

Constant Power Discharge Characteristics (Watt, 25°C)

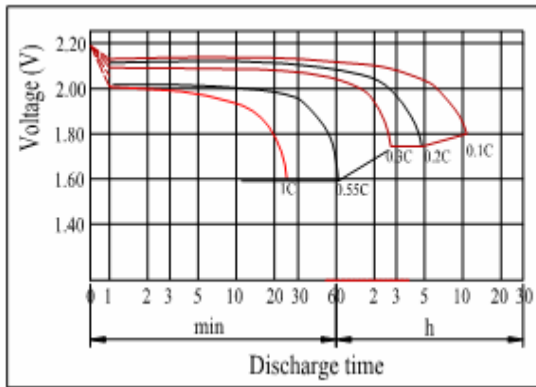
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	390	267	166	129	104	89.5	77.0	60.8	50.5	27.0	23.3	---	---	---	---
1.70V	378	260	164	128	104	88.8	76.5	60.3	50.5	26.8	23.2	12.4	---	---	---
1.75V	368	255	162	128	103	88.3	75.8	60.0	50.0	26.8	23.1	12.3	8.48	---	---
1.80V	355	247	158	124	100	85.5	73.5	58.0	49.8	26.5	23.0	12.2	8.43	---	---
1.85V	337	235	150	117	94.8	81.3	69.8	55.0	47.3	25.2	21.9	12.0	8.25	6.10	5.20

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

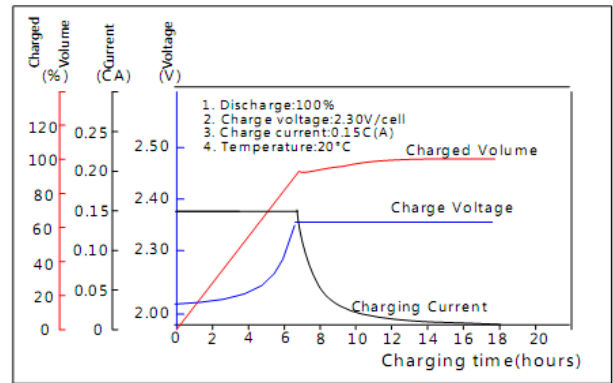
Dimensions



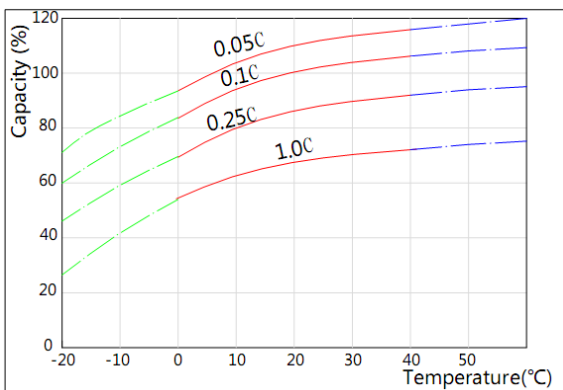
Discharge Characteristics(25°C)



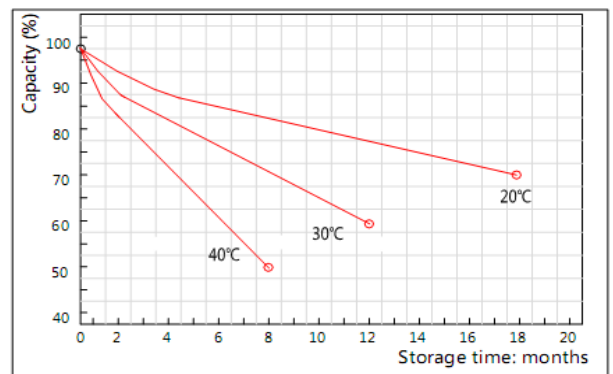
Charging Characteristics(25°C)



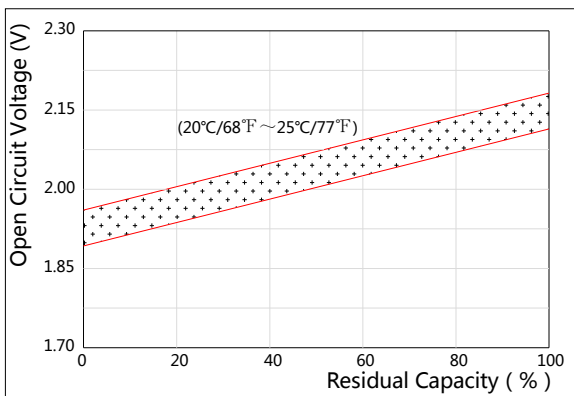
Effect of Temperature on Capacity



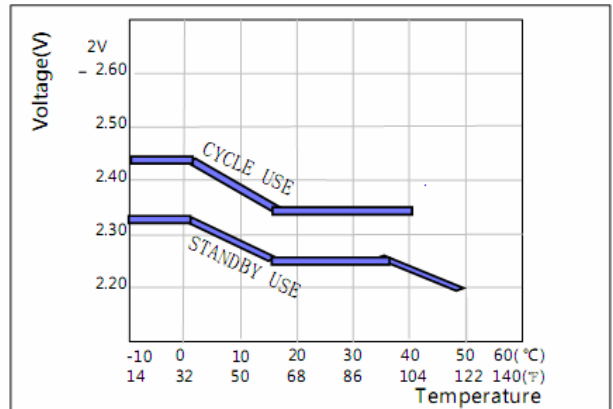
Self-discharge Characteristics



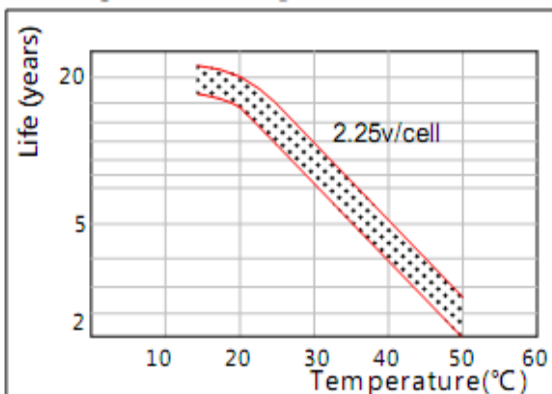
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

