

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	350 Ah
	3HR(1.75V)	262Ah
	1HR(1.60V)	197 Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	124 ± 1mm (4.88inch)
	Height	471 ± 2mm (18.54inch)
	Total Height	506 ± 2mm (19.92inch)
Approx. Weight		24kg (52.8lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.70m 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		70A
Terminal material		Copper
Maximum discharge current		1750A(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)**

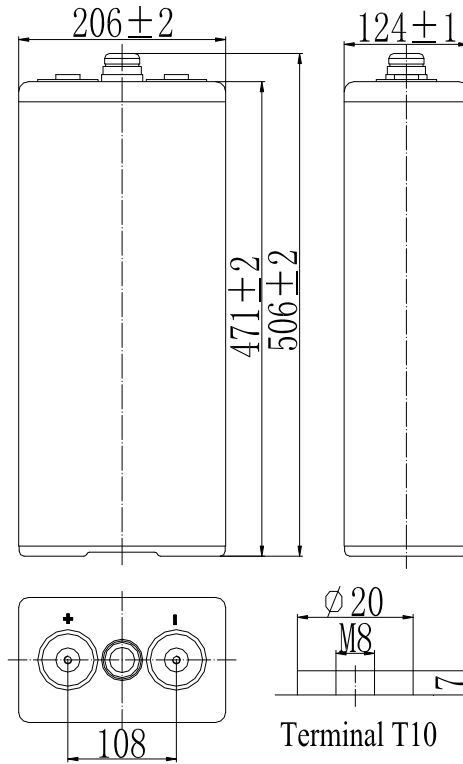
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	280	197	123	89.3	71.8	63.0	54.0	42.4	35.7	18.8	---	---
1.65V	274	195	122	88.9	71.4	62.3	53.8	42.4	35.7	18.8	--	--
1.70V	267	189	121	88.2	70.7	62.0	53.3	42.0	35.4	18.6	8.54	---
1.75V	263	186	119	87.5	70.4	61.6	53.1	41.7	35.4	18.6	8.54	3.54
1.80V	256	179	116	84.7	68.3	60.1	51.2	40.3	35.0	18.3	8.47	3.50

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

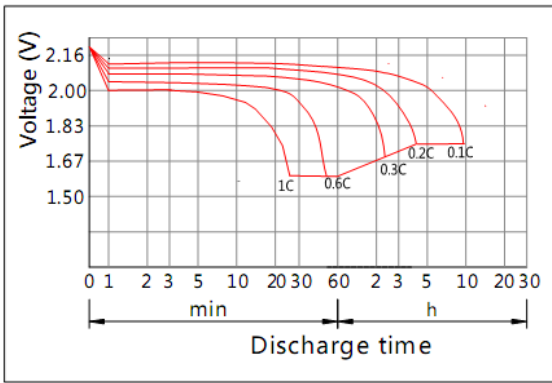
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	524	375	237	175	141	124	106	84.6	71.1	37.5	---	---
1.65V	512	370	235	174	140	123	106	83.9	70.7	37.5	--	--
1.70V	504	358	232	172	139	122	105	83.2	70.7	37.1	17.4	---
1.75V	494	351	230	172	138	122	104	82.7	70.0	37.1	17.2	7.21
1.80V	477	343	224	167	134	118	101	80.4	69.7	36.8	17.1	7.18

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

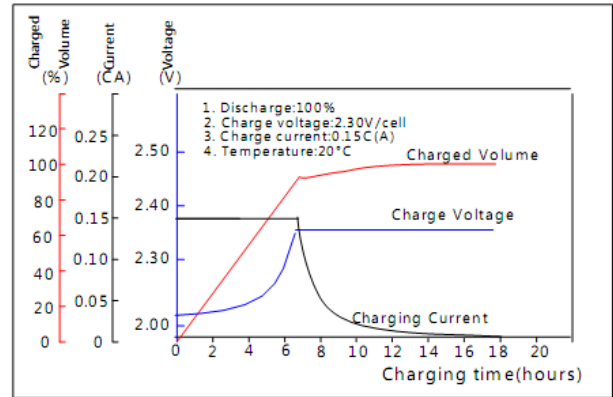
**Dimensions**



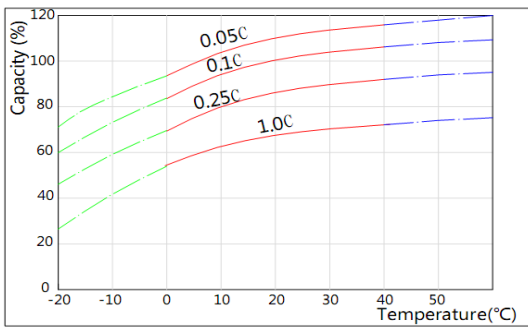
Discharge Characteristics(25°C)



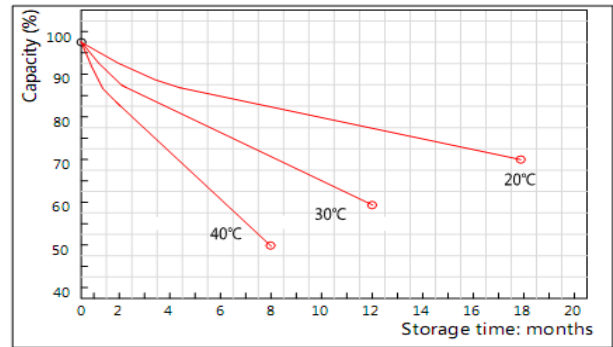
Charging Characteristics(25°C)



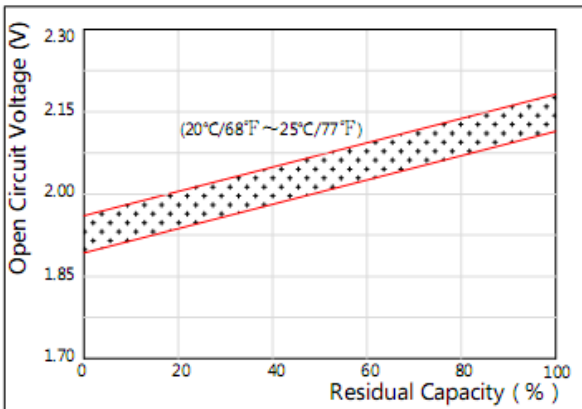
Effect of Temperature on Capacity



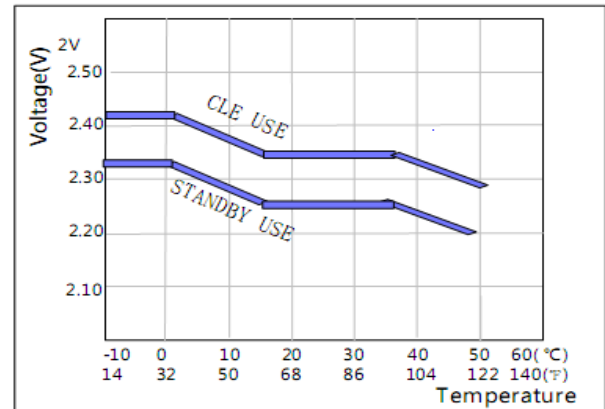
Self-discharge Characteristics



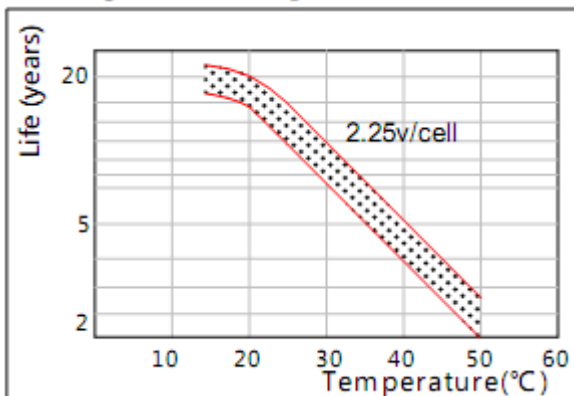
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

