

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	100 Ah
	3HR(1.75V)	76.5Ah
	1HR(1.60V)	60.0Ah
Dimension	Length	171 ± 2mm (6.73inch)
	Width	72 ± 1mm (2.83inch)
	Height	205 ± 2mm (8.07inch)
	Total Height	208 ± 2mm (8.19inch)
Approx. Weight		6kg (13.2lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.9m 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		20A
Terminal material		Copper
Maximum discharge current		800A(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)**

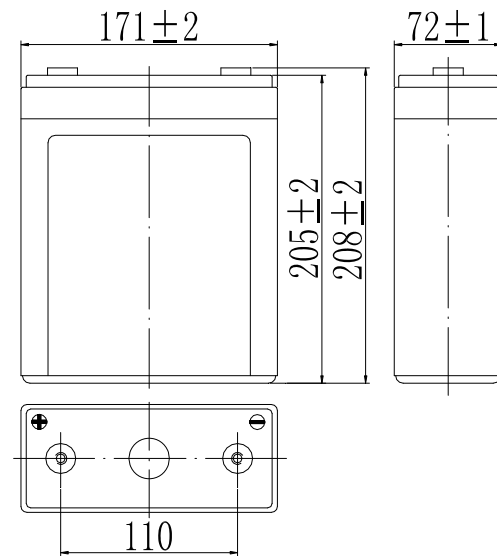
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	85.0	60.0	36.5	26.0	20.9	18.2	15.6	12.2	10.2	5.34	---	---
1.65V	83.3	58.8	36.3	25.9	20.8	18.0	15.5	12.2	10.2	5.33	--	--
1.70V	81.6	57.6	36.0	25.7	20.6	17.9	15.4	12.1	10.1	5.32	2.44	---
1.75V	80.0	56.5	35.5	25.5	20.5	17.8	15.3	12.0	10.1	5.29	2.44	1.01
1.80V	77.5	54.7	34.6	24.7	19.9	17.3	14.8	11.6	10.0	5.25	2.42	1.00

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

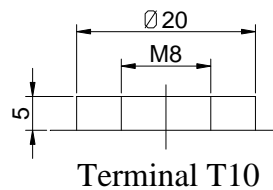
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	159	114	70.5	51.0	41.0	35.8	30.7	24.4	20.3	10.7	---	---
1.65V	156	112	70.1	50.7	40.7	35.6	30.6	24.2	20.2	10.7	--	--
1.70V	153	109	69.5	50.3	40.5	35.3	30.4	24.0	20.2	10.6	4.97	---
1.75V	150	107	68.4	50.0	40.2	35.1	30.1	23.9	20.0	10.6	4.92	2.06
1.80V	145	104	66.7	48.5	39.0	34.0	29.2	23.2	19.9	10.5	4.89	2.05

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

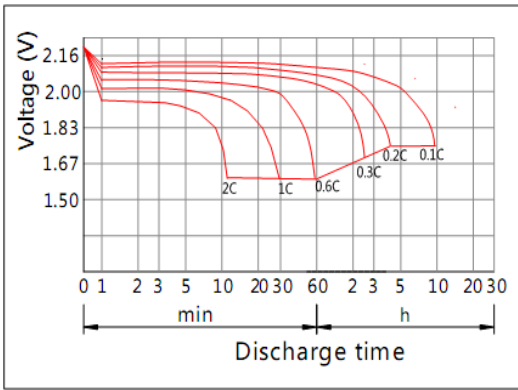
**Dimensions**



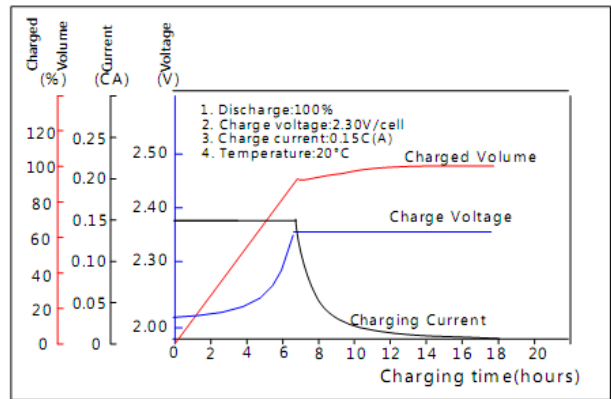
**Terminal**



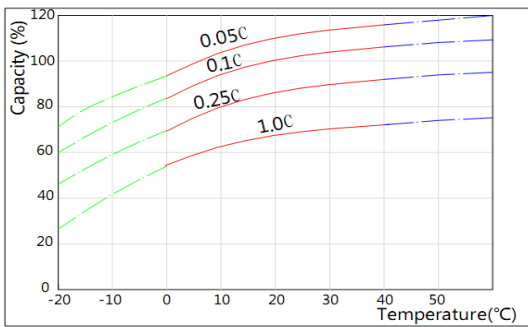
Discharge Characteristics(25°C)



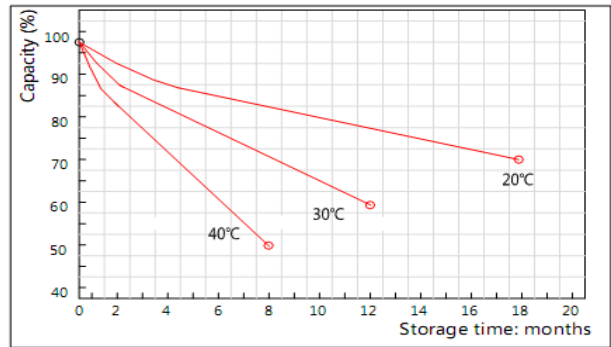
Charging Characteristics(25°C)



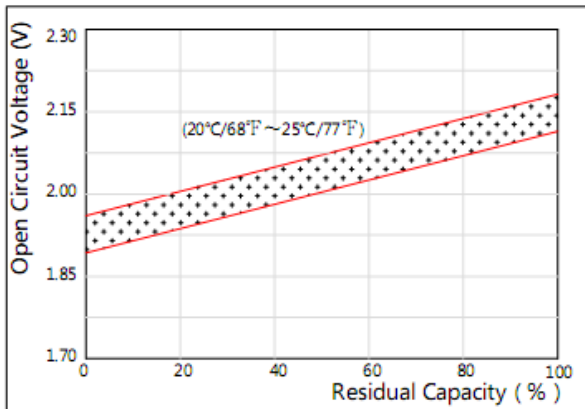
Effect of Temperature on Capacity



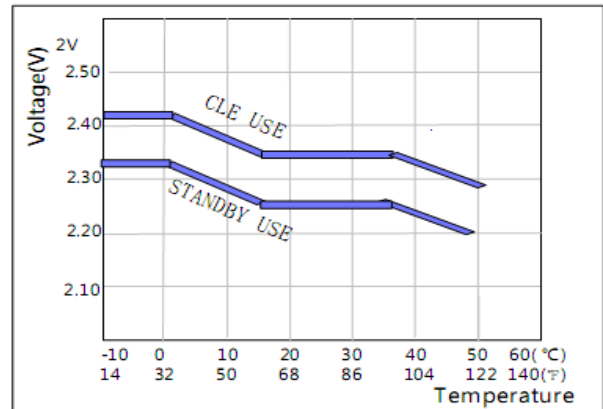
Self-discharge Characteristics



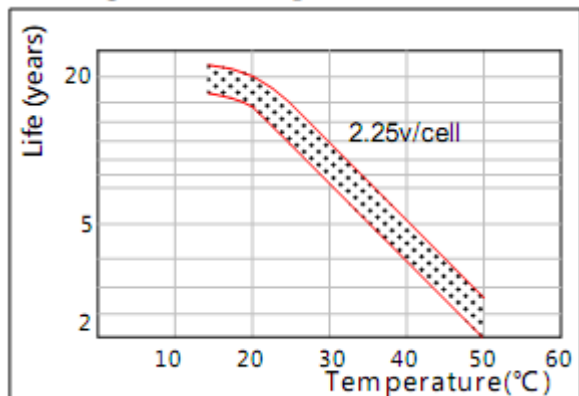
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

