

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	400 Ah
	3HR(1.75V)	306Ah
	1HR(1.60V)	240Ah
Dimension	Length	210±2mm (8.27inch)
	Width	171±2mm (6.73inch)
	Height	330±2mm (12.99inch)
	Total Height	367±2mm (14.45inch)
Approx. Weight		26.5kg 58.3lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.65m 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		80A
Terminal material		Copper
Maximum discharge current		2000A(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)**

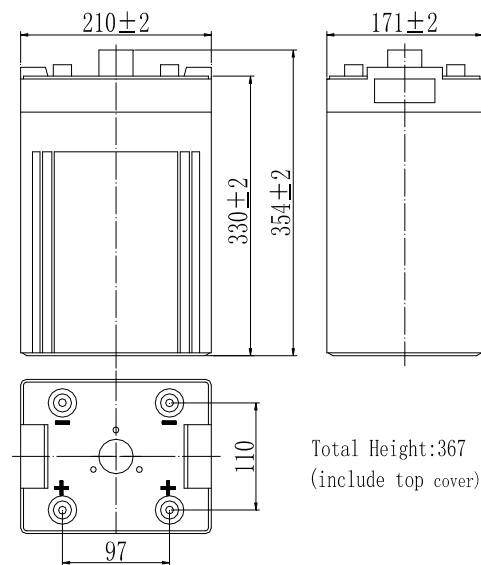
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	340	240	147	104	83.6	72.8	62.4	48.8	40.8	21.5	---	---
1.65V	335	236	145	104	83.2	72.0	62.0	48.8	40.8	21.5	--	--
1.70V	327	231	144	103	82.4	71.6	61.6	48.4	40.4	21.2	9.76	---
1.75V	320	227	143	102	82.0	71.2	61.2	48.0	40.4	21.2	9.76	4.04
1.80V	311	219	139	98.8	79.6	69.2	59.2	46.4	40.0	21.1	9.68	4.00

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

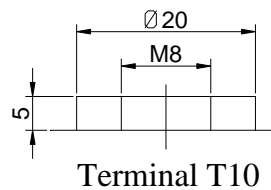
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	636	456	283	204	164	143	123	97.6	81.2	42.8	---	---
1.65V	624	448	280	203	163	143	122	96.8	80.8	42.8	--	--
1.70V	612	436	279	200	163	141	122	96.0	80.8	42.4	19.9	---
1.75V	600	428	272	200	161	140	120	95.6	80.0	42.4	19.7	8.24
1.80V	580	416	267	195	156	136	117	92.8	79.6	42.0	19.6	8.20

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

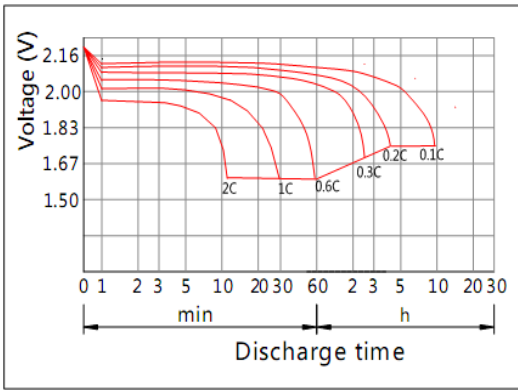
**Dimensions**



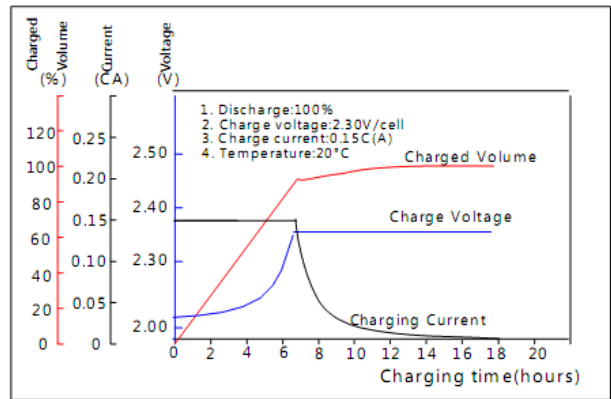
**Terminal**



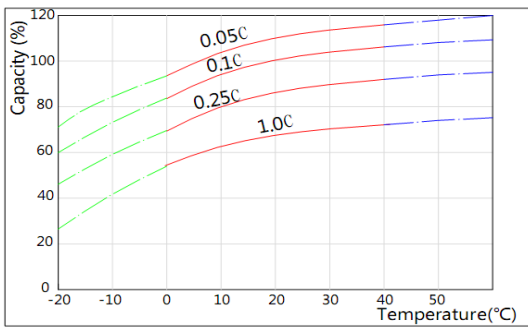
Discharge Characteristics(25°C)



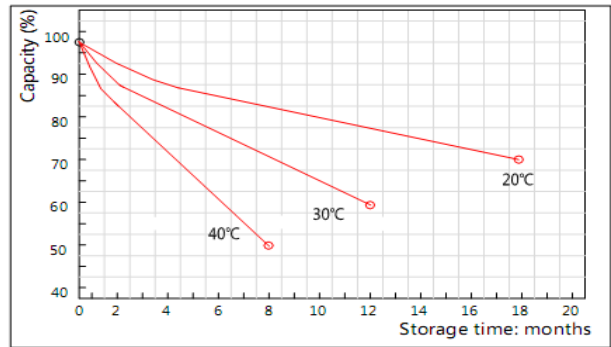
Charging Characteristics(25°C)



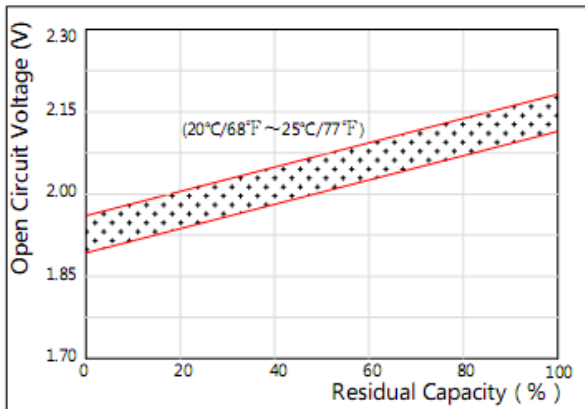
Effect of Temperature on Capacity



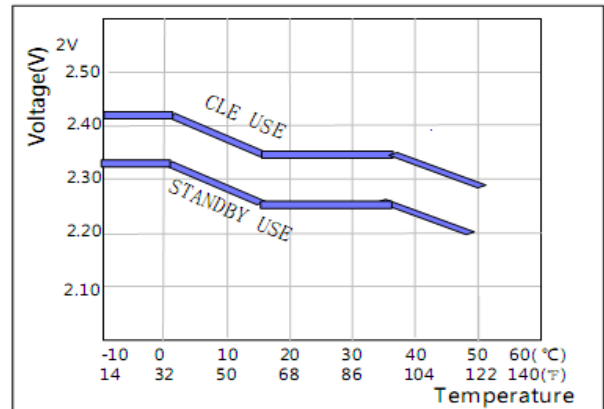
Self-discharge Characteristics



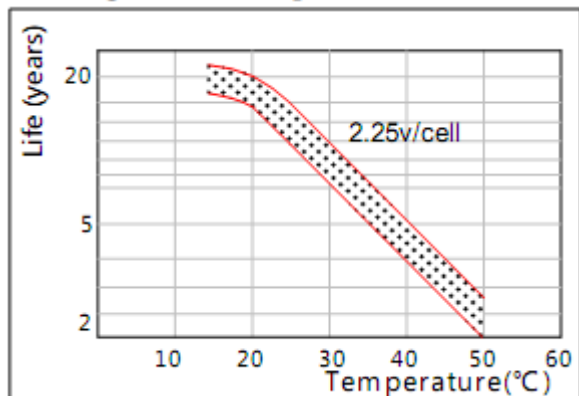
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

