

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	500 Ah
	3HR(1.75V)	375Ah
	1HR(1.60V)	284Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	166 ± 2mm (6.54inch)
	Height	471 ± 2mm (18.54inch)
	Total Height	506 ± 2mm (19.92inch)
Approx. Weight		32kg (70.4lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.50m 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		100A
Terminal material		Copper
Maximum discharge current		2500A(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	400	284	175	128	103	90.0	77.4	60.5	51.0	26.9	---	---
1.65V	394	279	175	128	102	89.0	76.9	60.5	51.0	26.9	--	--
1.70V	384	270	174	126	101	88.5	76.4	60.0	50.5	26.5	12.2	---
1.75V	375	265	170	125	101	88.0	75.9	59.5	50.5	26.5	12.2	5.05
1.80V	365	255	166	121	97.5	85.9	73.4	57.5	50.0	26.4	12.1	5.00

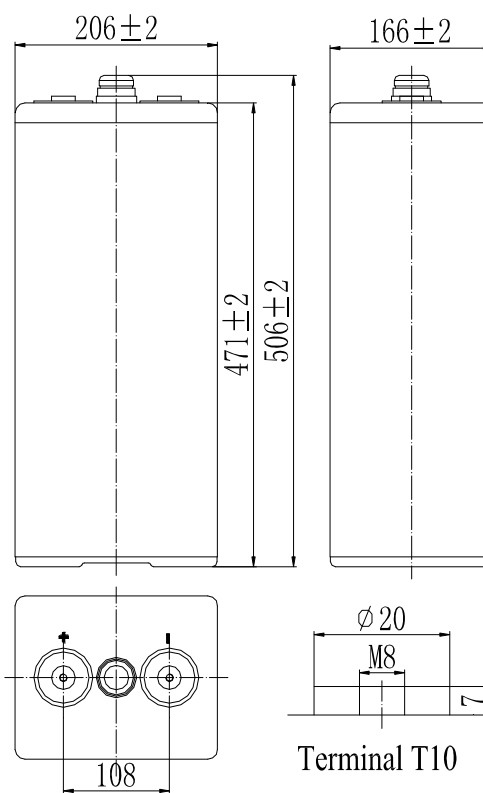
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	749	535	339	250	201	176	153	121	102	53.5	---	---
1.65V	734	529	335	249	200	176	151	120	101	53.5	--	--
1.70V	720	514	334	245	199	175	150	119	101	53.0	24.9	---
1.75V	705	504	329	245	196	174	149	118	100	53.0	24.6	10.30
1.80V	684	490	320	239	191	169	145	115	99.5	52.5	24.5	10.25

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

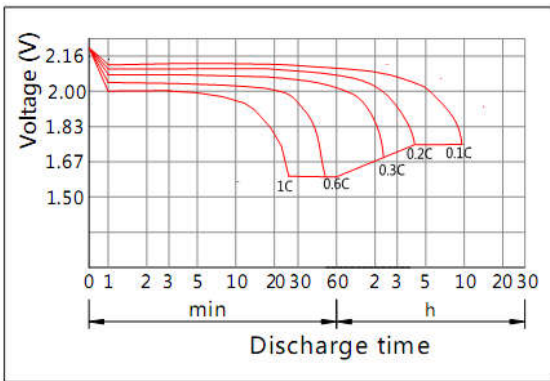


**Dimensions**

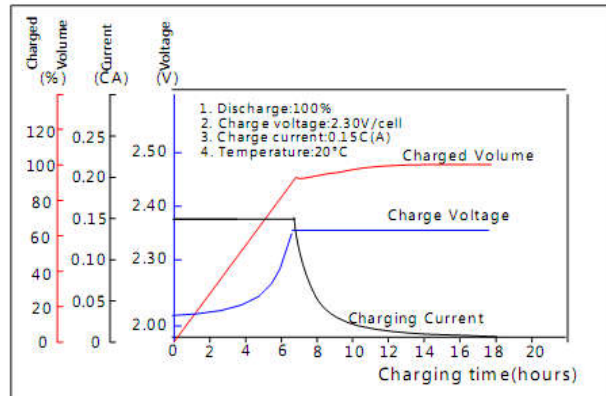


Terminal T10

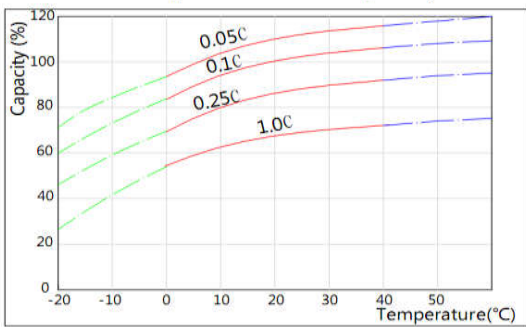
Discharge Characteristics(25°C)



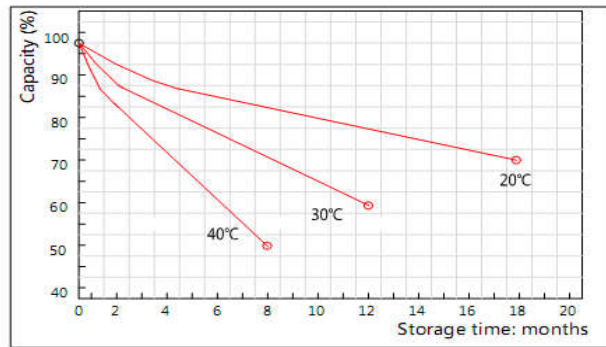
Charging Characteristics(25°C)



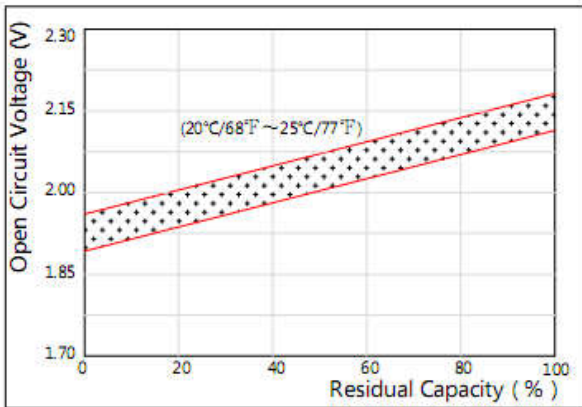
Effect of Temperature on Capacity



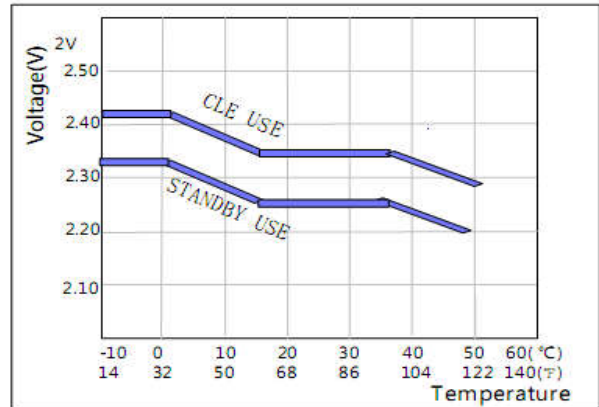
Self-discharge Characteristics



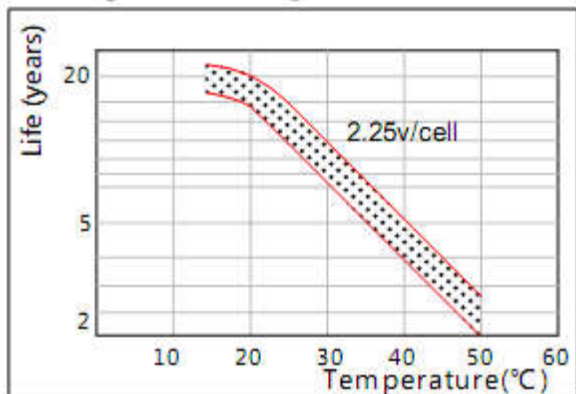
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

