

**Specifications**

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1500 Ah
	3HR(1.75V)	1125Ah
	1HR(1.60V)	854Ah
Dimension	Length	275 ± 2mm (10.83inch)
	Width	210 ± 2mm (8.27inch)
	Height	796 ± 3mm (31.33inch)
	Total Height	831 ± 3mm (32.72inch)
Approx. Weight		105kg (231bs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.22m 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		300A
Terminal material		Copper
Maximum discharge current		7500A(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	1200	854	525	384	309	270	233	181	153	80.9	---	---
1.65V	1184	839	525	384	306	269	231	181	153	80.9	--	--
1.70V	1154	810	524	376	301	264	230	180	151	79.5	36.6	---
1.75V	1125	795	510	375	301	264	226	179	151	79.5	36.6	15.1
1.80V	1095	765	496	361	293	256	219	173	150	79.4	36.1	15.0

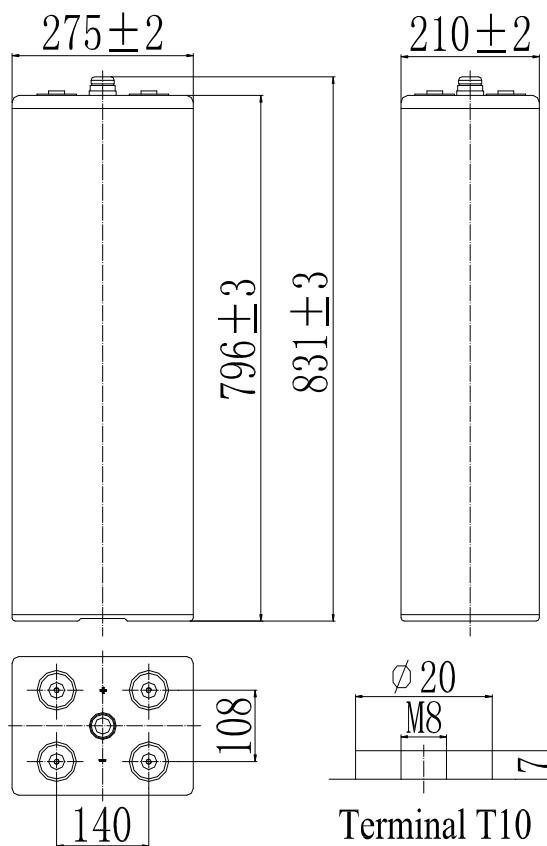
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	2249	1605	1019	750	601	526	459	361	306	160	---	---
1.65V	2204	1589	1005	749	600	526	451	360	301	160	--	--
1.70V	2160	1544	1004	735	599	525	450	359	301	159	74.9	---
1.75V	2115	1514	989	735	586	524	449	354	300	159	73.6	30.9
1.80V	2054	1470	960	719	571	509	435	345	299	158	73.5	30.8

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

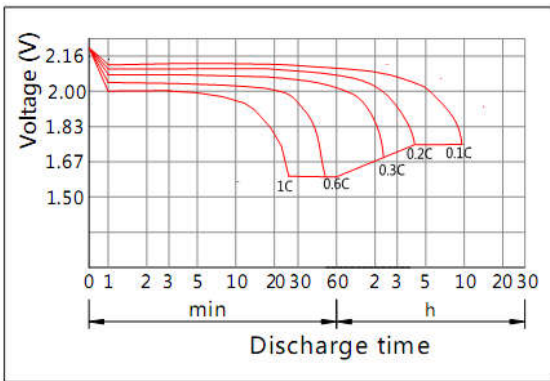


**Dimensions**

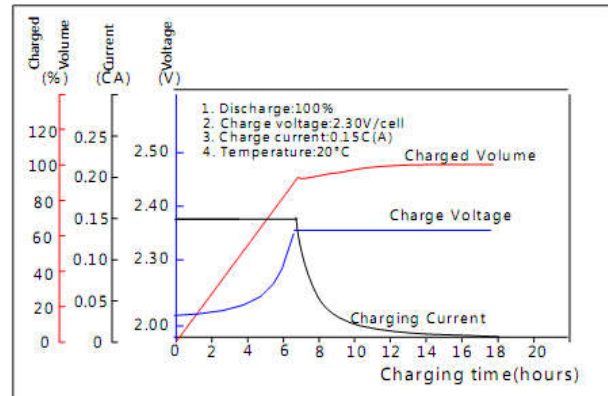


Terminal T10

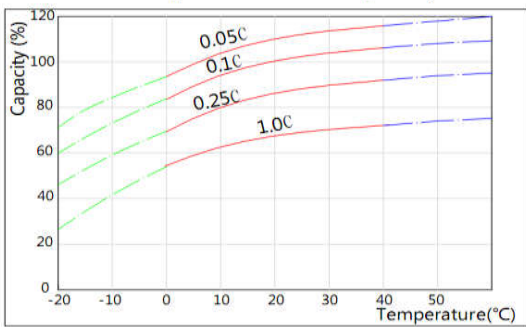
Discharge Characteristics(25°C)



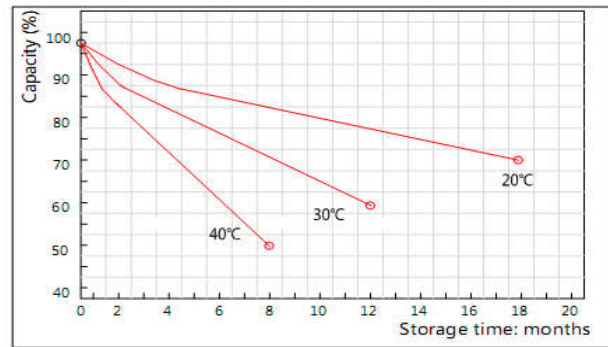
Charging Characteristics(25°C)



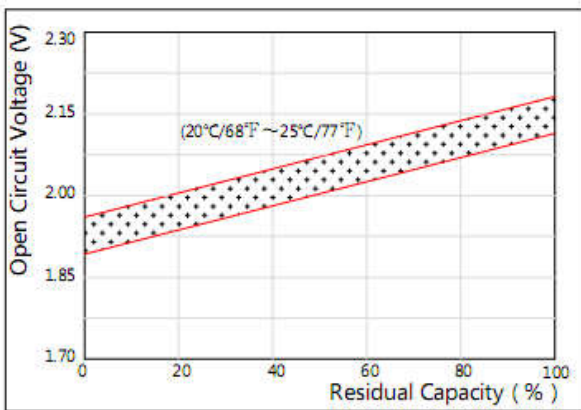
Effect of Temperature on Capacity



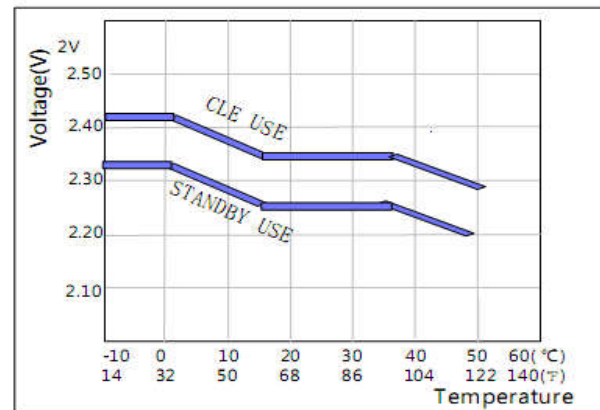
Self-discharge Characteristics



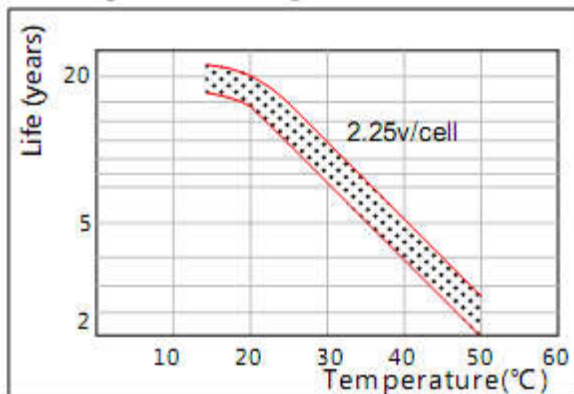
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

