

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)

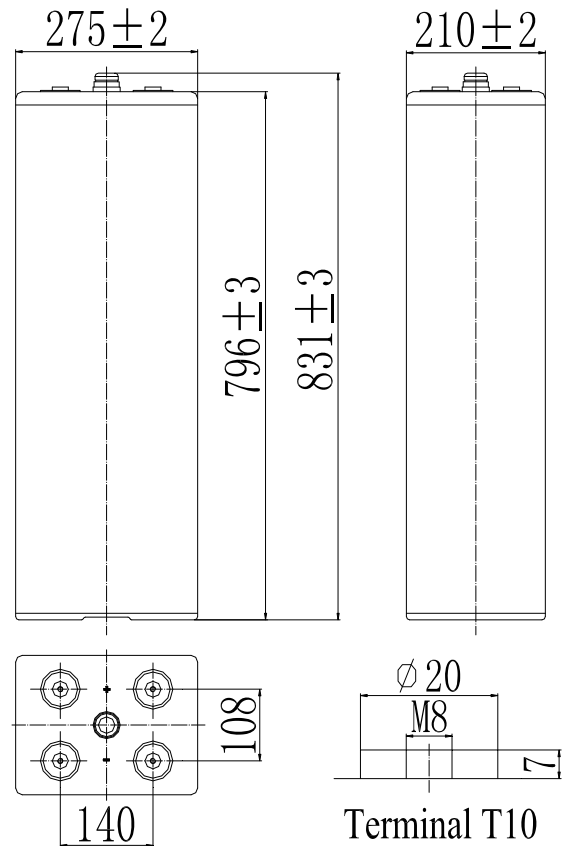
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1200	854	525	384	309	270	233	181	153	80.9	---	---
1.65V	1184	839	525	384	306	269	231	181	153	80.9	--	--
1.70V	1154	810	524	376	301	264	230	180	151	79.5	36.6	---
1.75V	1125	795	510	375	301	264	226	179	151	79.5	36.6	15.1
1.80V	1095	765	496	361	293	256	219	173	150	79.4	36.1	15.0

Constant Power Discharge Characteristics (Watt, 25°C)

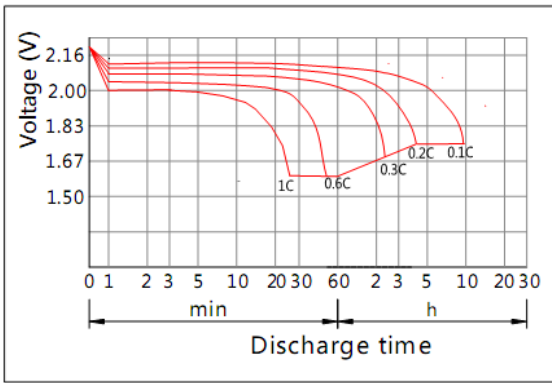
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	2249	1605	1019	750	601	526	459	361	306	160	---	---
1.65V	2204	1589	1005	749	600	526	451	360	301	160	--	--
1.70V	2160	1544	1004	735	599	525	450	359	301	159	74.9	---
1.75V	2115	1514	989	735	586	524	449	354	300	159	73.6	30.9
1.80V	2054	1470	960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

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

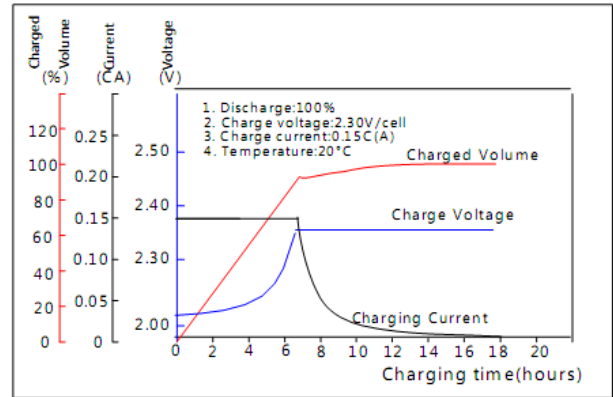
Dimensions



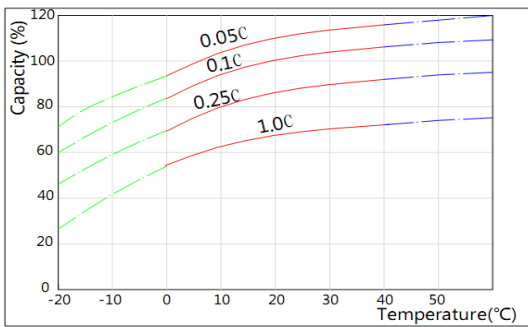
Discharge Characteristics(25°C)



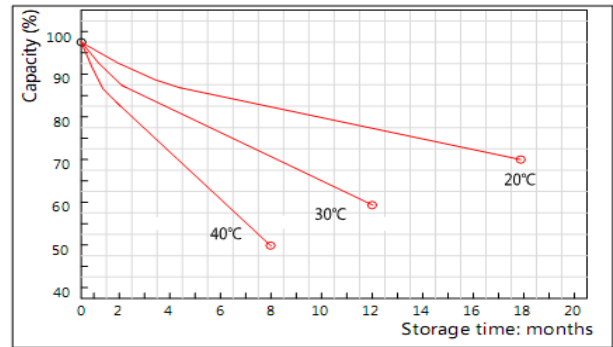
Charging Characteristics(25°C)



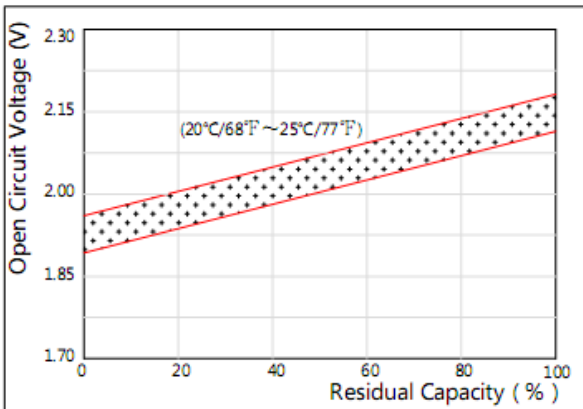
Effect of Temperature on Capacity



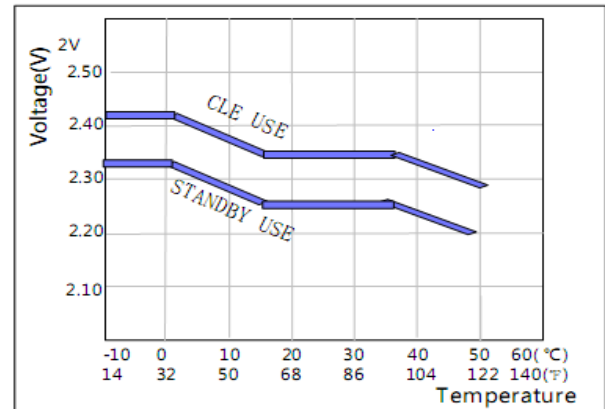
Self-discharge Characteristics



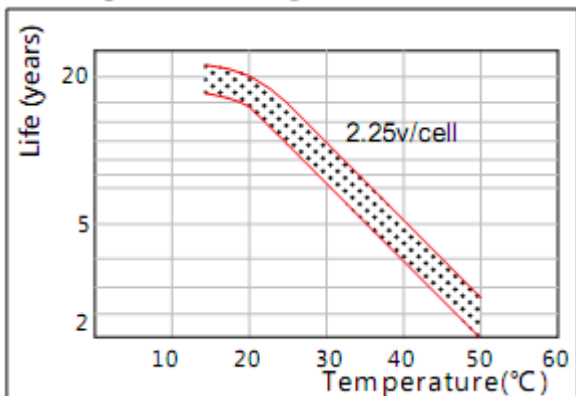
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

