

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	2450Ah
	10HR(1.80V)	2000 Ah
	1HR(1.60V)	1140Ah
Dimension	Length	399±2mm (15.7inch)
	Width	210±2mm (8.27inch)
	Height	772±3mm (30.4inch)
	Total Height	807±3mm (31.81inch)
Approx. Weight		143kg (315 lbs) ±4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.23mΩ
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 ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -4mV/°C
Maximum charging current		400A
Terminal material		Copper
Maximum discharge current		8000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard

Constant Current Discharge Characteristics (A, 25°C)

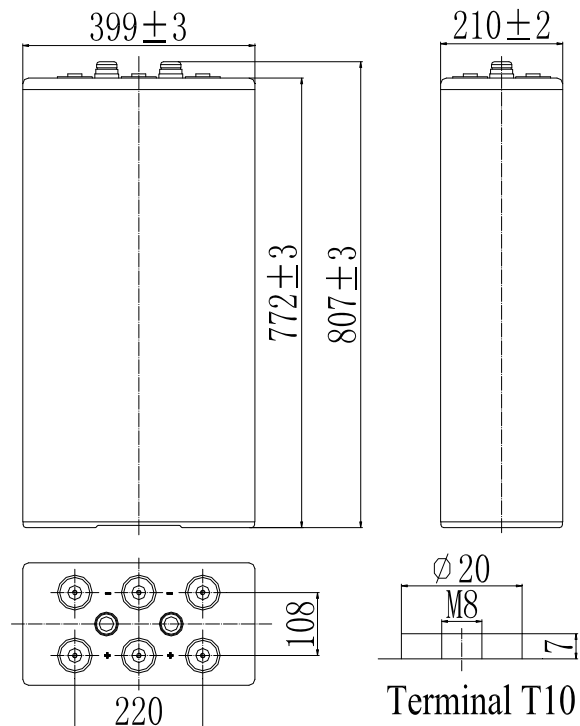
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1666	1122	686	528	426	364	312	246	204	108	92.6	---	---	---	---
1.70V	1616	1094	680	524	422	360	310	244	202	107	92.2	49	---	---	---
1.75V	1576	1072	670	520	420	358	308	242	202	107	92.0	48.8	33.2	---	---
1.80V	1518	1040	652	504	408	348	298	234	200	106	91.6	48.4	33.0	---	---
1.85V	1442	988	620	478	388	330	284	222	190	101	87.0	47.4	32.4	24.2	20.4

Constant Power Discharge Characteristics (Watt, 25°C)

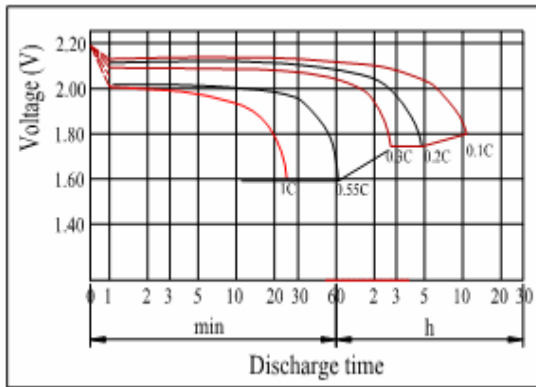
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	3116	2134	1324	1034	834	716	616	486	404	216	187	---	---	---	---
1.70V	3020	2080	1312	1026	828	710	612	482	404	214	185	99.0	---	---	---
1.75V	2946	2038	1292	1020	824	706	606	480	400	214	185	98.4	67.8	---	---
1.80V	2838	1976	1260	988	798	684	588	464	398	212	184	97.8	67.4	---	---
1.85V	2696	1878	1198	938	758	650	558	440	378	201	175	95.8	66.0	48.8	41.6

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

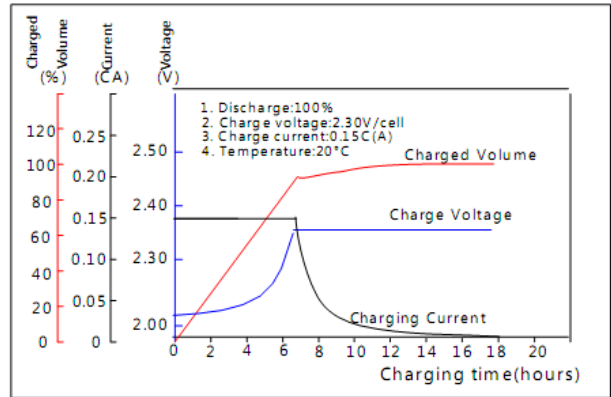
Dimensions



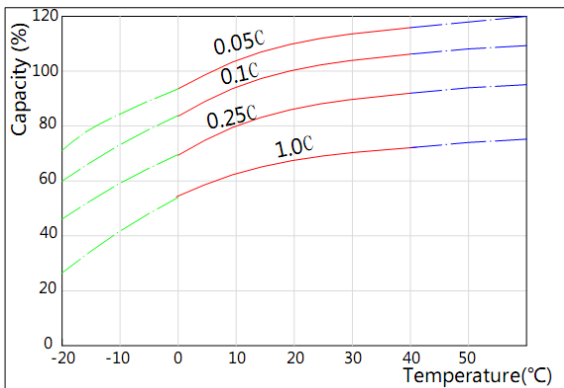
Discharge Characteristics(25°C)



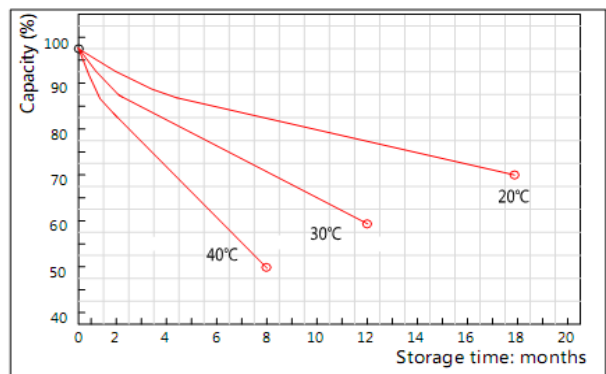
Charging Characteristics(25°C)



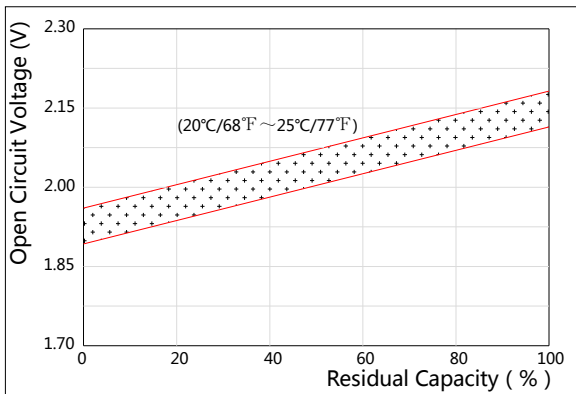
Effect of Temperature on Capacity



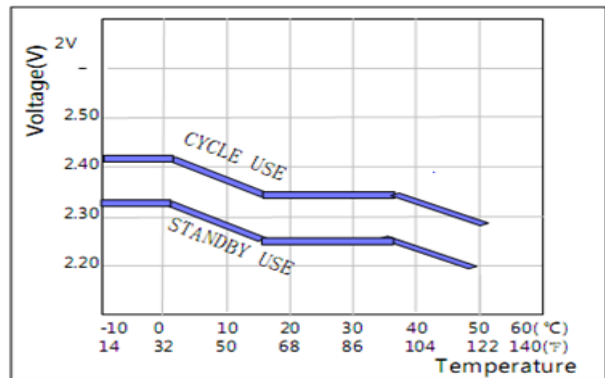
Self-discharge Characteristics



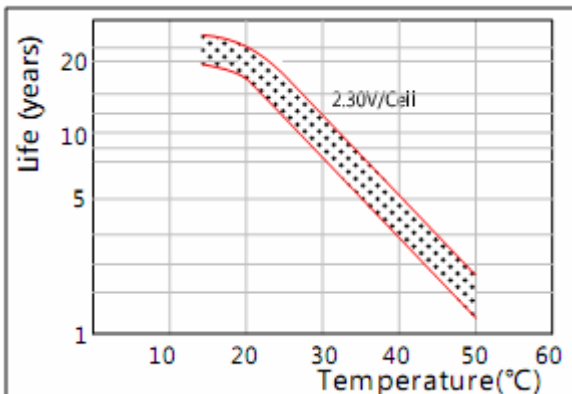
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

