

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	3000 Ah
	3HR(1.75V)	Ah
	1HR(1.60V)	Ah
Dimension	Length	576 ± 3mm (22.68inch)
	Width	212 ± 2mm (8.35inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		223kg (491lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.13m 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		600A
Terminal material		Copper
Maximum discharge current		15000A(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)

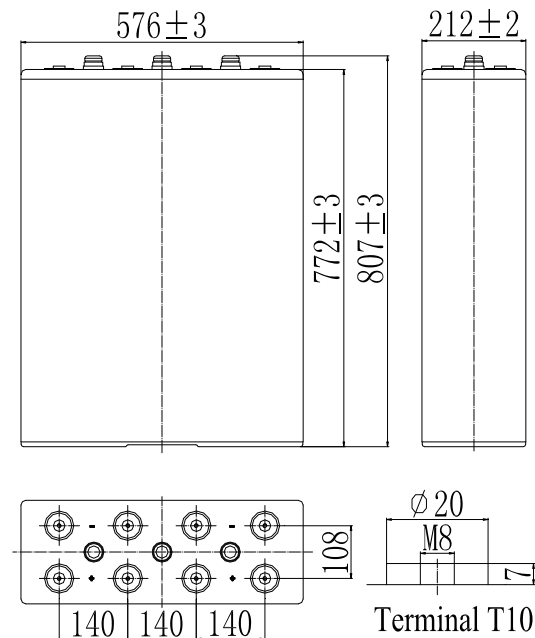
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	2400	1708	1050	768	618	540	466	364	305	162	---	---
1.65V	2368	1678	1050	768	612	538	462	364	305	162	--	--
1.70V	2308	1620	1048	754	604	528	460	360	303	160	73.2	---
1.75V	2250	1590	1020	750	604	528	454	358	303	160	72.8	30.4
1.80V	2190	1530	994	724	586	514	438	346	300	157	72.4	30.0

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	4498	3210	2038	1500	1204	1054	918	724	612	322	---	---
1.65V	4408	3178	2010	1498	1200	1054	904	720	604	322	--	--
1.70V	4320	3088	2008	1470	1198	1050	900	718	604	318	150	---
1.75V	4230	3028	1978	1470	1174	1048	898	708	600	318	148	61.8
1.80V	4108	2940	1920	1438	1144	1018	870	690	598	316	148	61.6

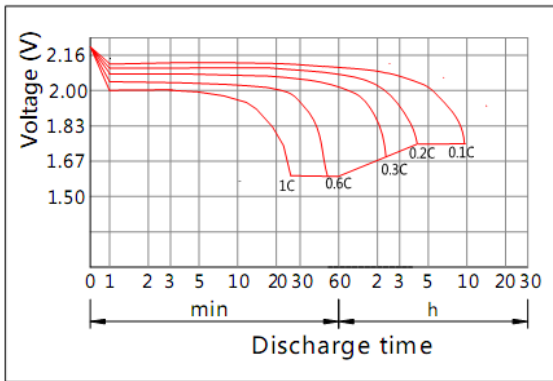
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

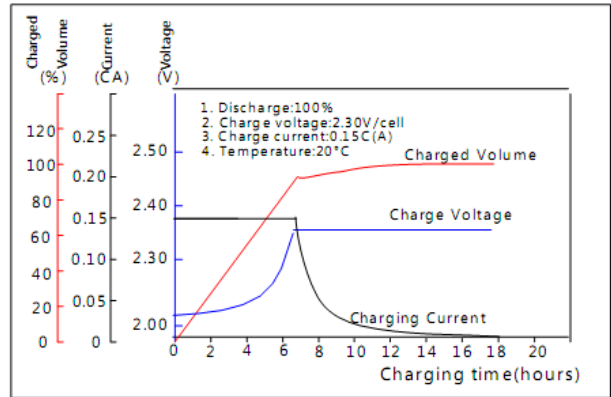


CFPG23000S (2V3000Ah)

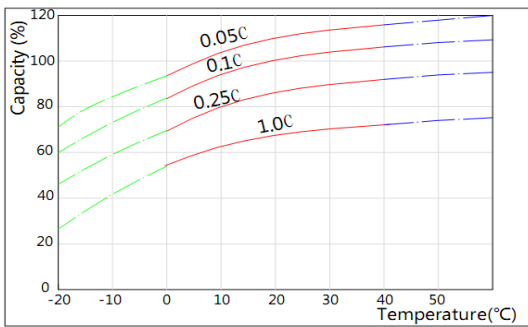
Discharge Characteristics(25°C)



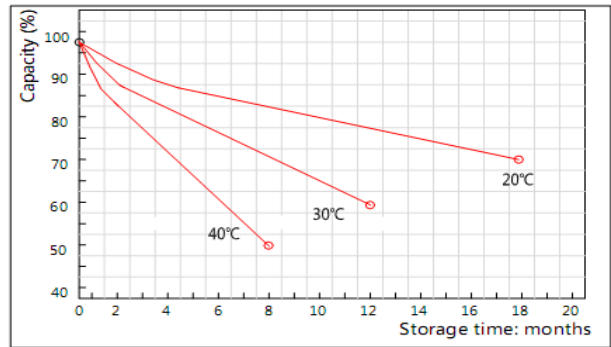
Charging Characteristics(25°C)



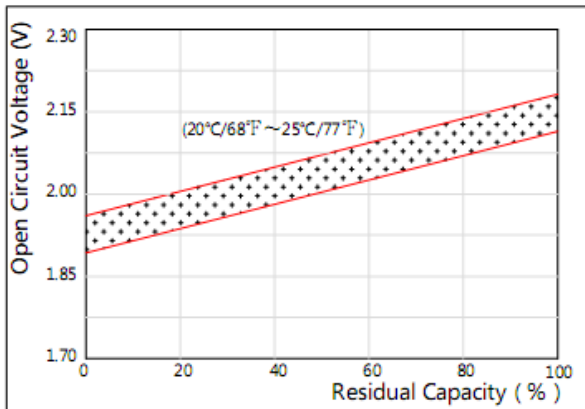
Effect of Temperature on Capacity



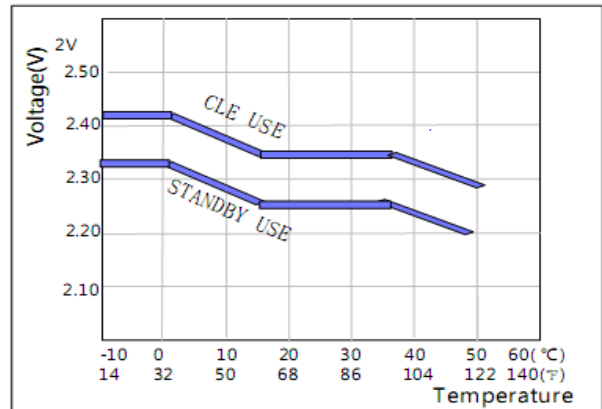
Self-discharge Characteristics



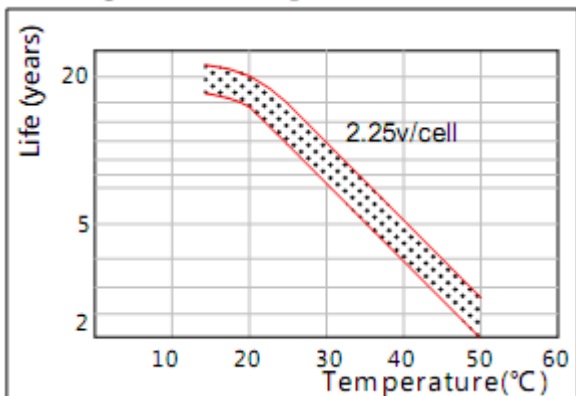
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

