

CFPV23000(2V3000Ah)

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	3675Ah
	10HR(1.80V)	3000 Ah
	1HR(1.60V)	1710Ah
Dimension	Length	576 ± 3mm (22.68inch)
	Width	212 ± 2mm (8.35inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		209kg (460lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.15m 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 ~ 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		600A
Terminal material		Copper
Maximum discharge current		12000A(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)

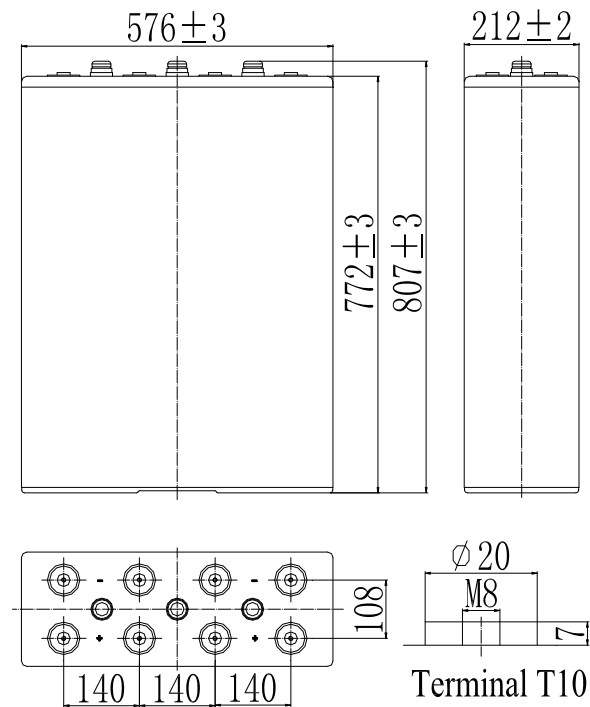
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	2499	1683	1029	792	639	546	468	369	306	161	139	---	---	---	---
1.70V	2424	1641	1020	786	633	540	465	366	303	161	138	73.5	---	---	---
1.75V	2364	1608	1005	780	630	537	462	363	303	160	138	73.2	49.8	---	---
1.80V	2277	1560	978	756	612	522	447	351	300	159	137	72.6	49.5	---	---
1.85V	2163	1482	930	717	582	495	426	333	285	151	131	71.1	48.6	36.3	30.6

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	4674	3201	1986	1551	1251	1074	924	729	606	324	280	---	---	---	---
1.70V	4530	3120	1968	1539	1242	1065	918	723	606	321	278	149	---	---	---
1.75V	4419	3057	1938	1530	1236	1059	909	720	600	321	277	148	102	---	---
1.80V	4257	2964	1890	1482	1197	1026	882	696	597	318	276	147	101	---	---
1.85V	4044	2817	1797	1407	1137	975	837	660	567	302	263	144	99	73.2	62.4

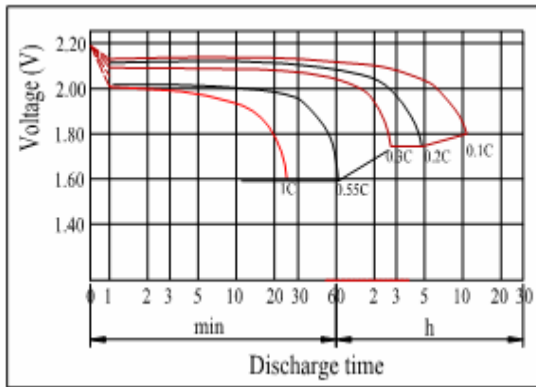
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

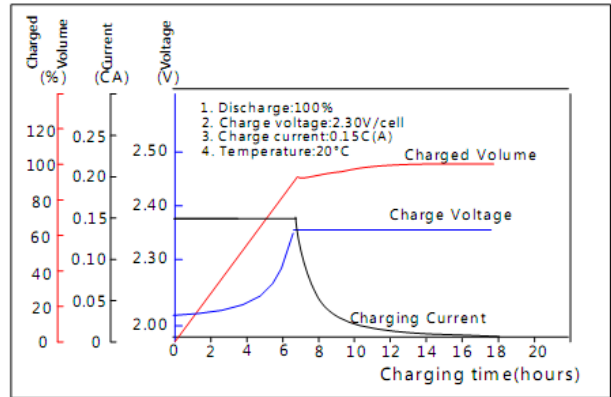


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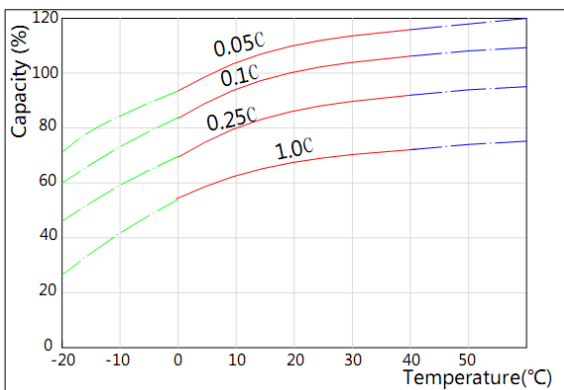
Discharge Characteristics(25°C)



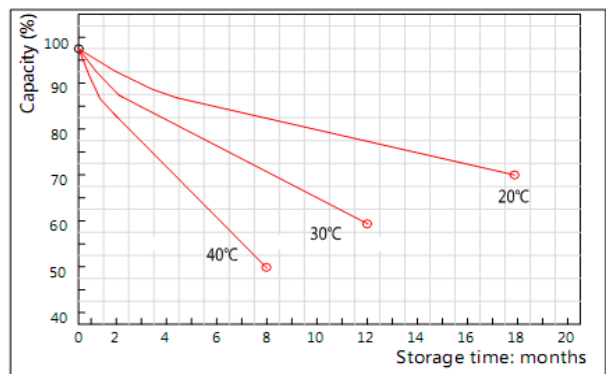
Charging Characteristics(25°C)



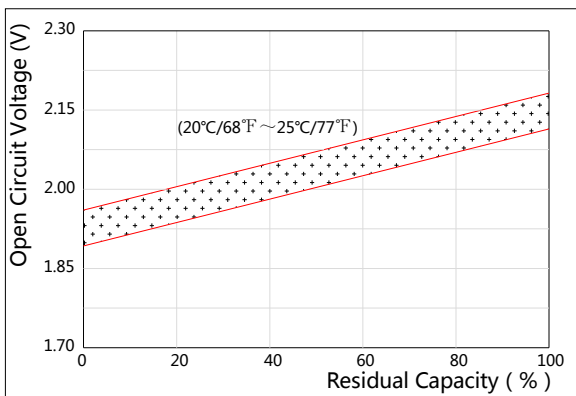
Effect of Temperature on Capacity



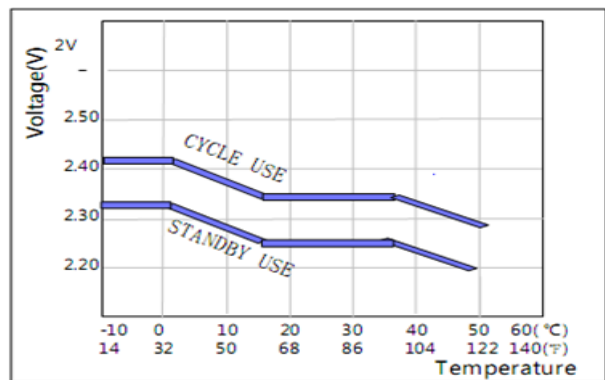
Self-discharge Characteristics



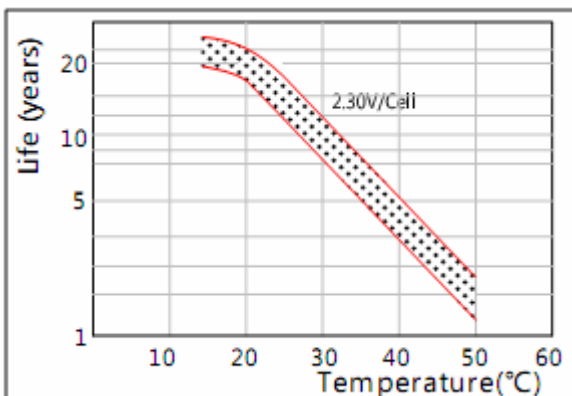
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

