

CFPV21000B(8OPzV800,2V1000Ah)

Specifications

Nominal Voltage		2 V
Capacity (20°C)	120HR(1.80V)	1170Ah
	10HR(1.80V)	1000Ah
	5HR(1.75V)	800Ah
Dimension	Length	191 ± 2mm (7.52inch)
	Width	206 ± 2mm (8.11inch)
	Height	646 ± 3mm (25.4inch)
	Total Height	681 ± 3mm (26.8inch)
Approx. Weight		67kg (147.4 lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 20°C)		Approx.0.36m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (20°C)	3 month	Remaining Capacity: 95.5%
	6 month	Remaining Capacity: 91.5%
	12 month	Remaining Capacity: 82.0%
Nominal operating temperature		20°C ± 3°C
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(20°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(20°C)		2.38 to 2.43V Temperature compensation: -4mV/°C
Maximum charging current		200A
Terminal material		Copper
Maximum discharge current		5500A(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, 20°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	775	539	329	253	204	163	150	118	101	51.6	44.5	---	----	----	----
1.70V	752	526	326	252	203	161	149	117	101	51.6	44.3	23.5	----	---	----
1.75V	733	515	322	250	202	160	148	116	100	51.2	44.2	23.4	16.0	---	---
1.80V	707	499	313	242	196	155	143	112	100	50.9	43.9	23.3	15.8	----	---
1.85V	672	474	298	229	186	147	137	107	92.0	48.4	41.8	22.8	15.6	11.5	9.75

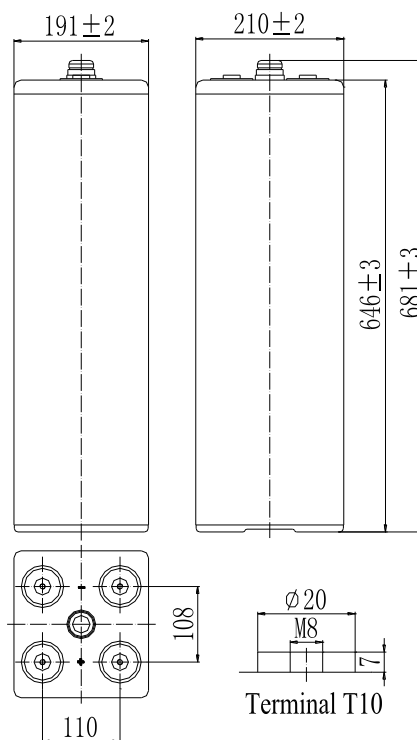
Constant Power Discharge Characteristics (Watt, 20°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1450	1025	636	497	401	319	295	233	202	104	89.5	---	----	----	----
1.70V	1406	998	630	492	397	317	294	232	200	103	88.9	47.5	----	---	----
1.75V	1371	978	620	490	396	315	290	230	198	103	88.7	47.3	32.5	---	---
1.80V	1321	948	605	474	383	306	282	223	195	102	88.4	46.9	32.4	----	---
1.85V	1255	901	575	450	364	290	268	211	180	96.7	84.0	46.0	31.7	23.4	19.9

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

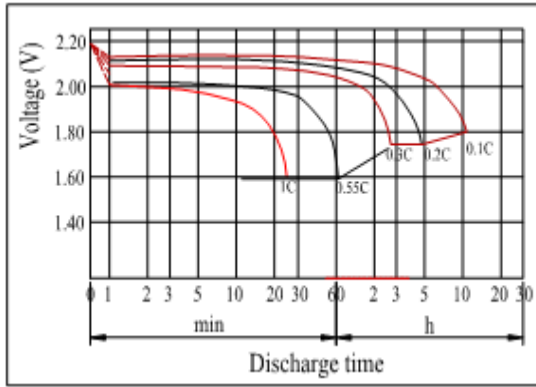


Dimensions

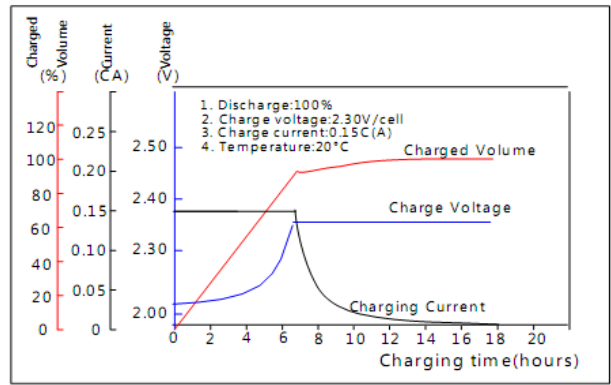


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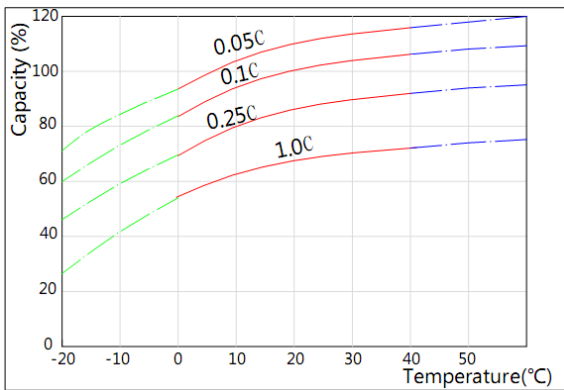
Discharge Characteristics(20°C)



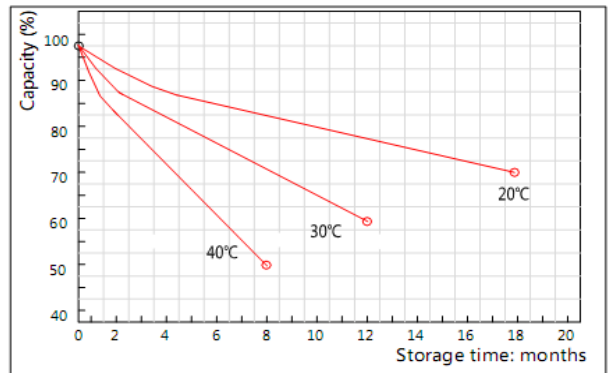
Charging Characteristics(20°C)



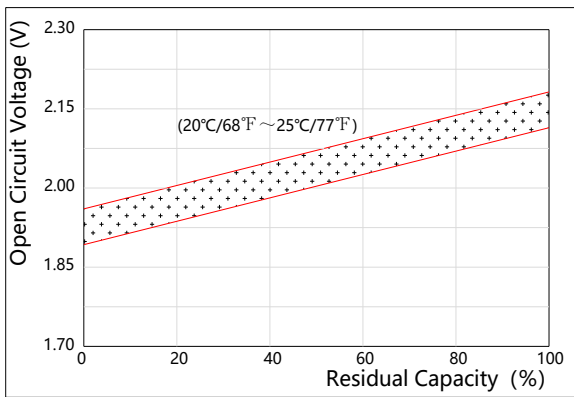
Effect of Temperature on Capacity



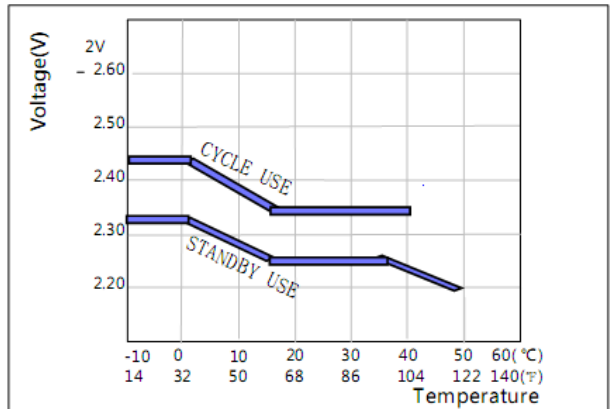
Self-discharge Characteristics



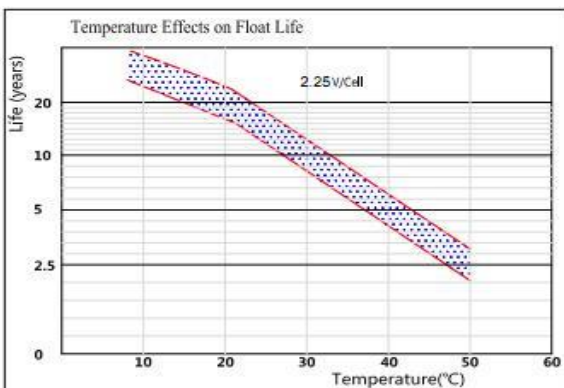
The Relationship for Open Circuit Voltage and Residual Capacity (20°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(20°C)

