

# CFPG21000S (2V1000Ah)

## Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1000 Ah
	3HR(1.75V)	750Ah
	1HR(1.60V)	569Ah
Dimension	Length	233 ± 2mm (9.17inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		71kg (156.2lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.33mΩ
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		200A
Terminal material		Copper
Maximum discharge current		5000A(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)

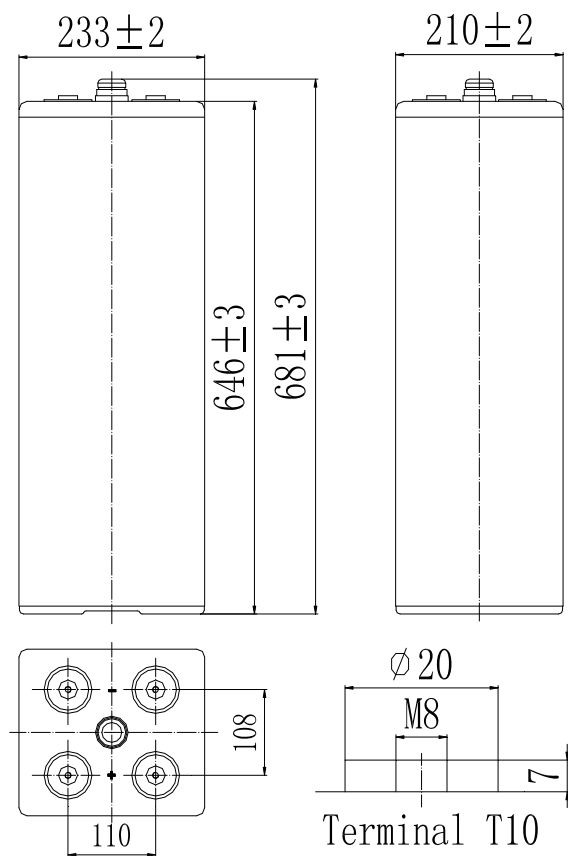
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	800	569	350	256	206	180	155	121	102	53.9	---	---
1.65V	789	559	350	256	204	179	154	121	102	53.9	--	--
1.70V	769	540	349	251	201	176	153	120	101	53.0	24.4	---
1.75V	750	530	340	250	201	176	151	119	101	53.0	24.4	10.1
1.80V	730	510	331	241	195	171	146	115	100	52.9	24.1	10.0

## Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1499	1070	679	500	401	351	306	241	204	107	---	---
1.65V	1469	1059	670	499	400	351	301	240	201	107	--	--
1.70V	1440	1029	669	490	399	350	300	239	201	106	49.9	---
1.75V	1410	1009	659	490	391	349	299	236	200	106	49.1	20.6
1.80V	1369	980	640	479	381	339	290	230	199	105	49.0	20.5

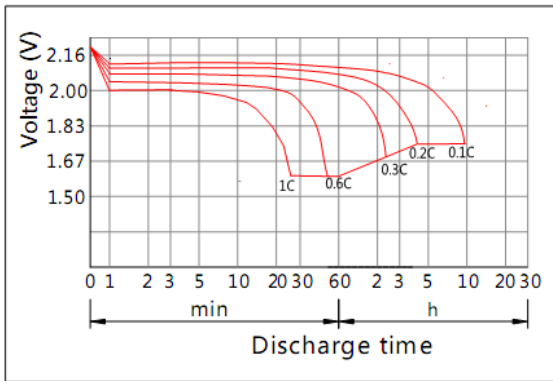
Note: The above characteristics data can be obtained within three charge/discharge cycles.

## Dimensions

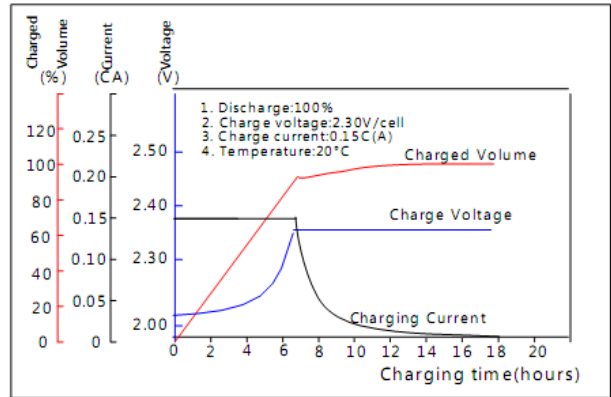


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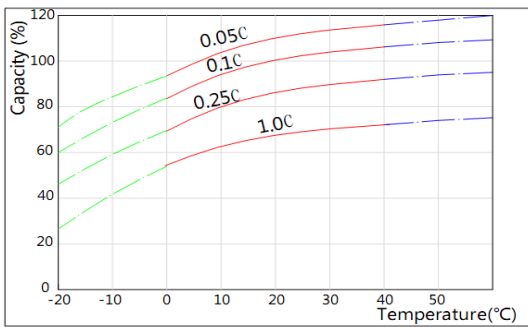
## Discharge Characteristics(25°C)



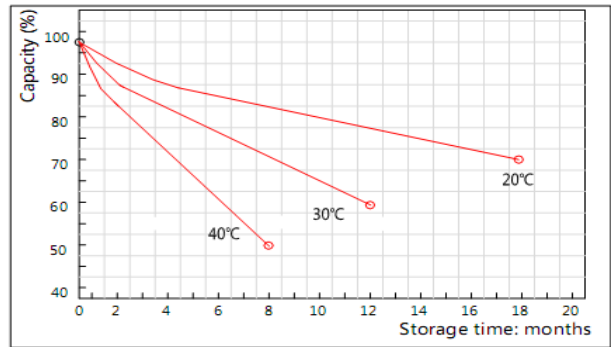
## Charging Characteristics(25°C)



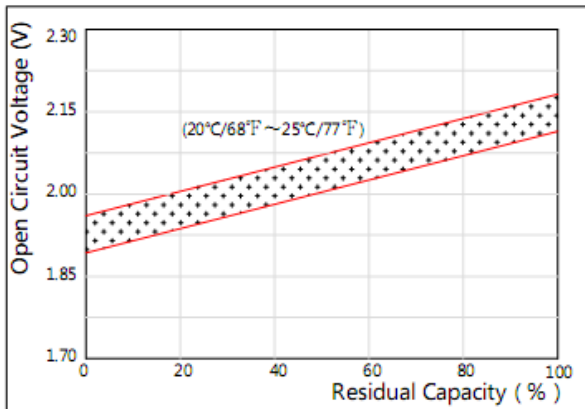
## Effect of Temperature on Capacity



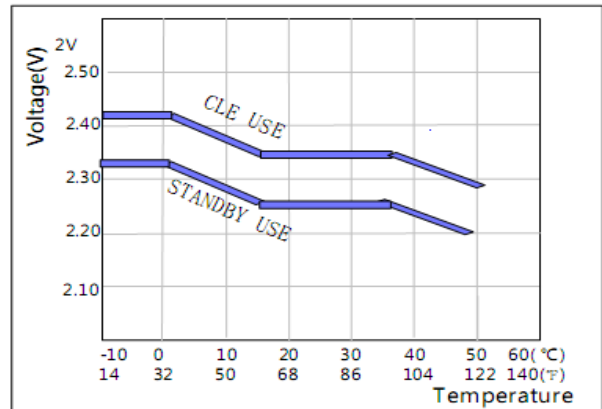
## Self-discharge Characteristics



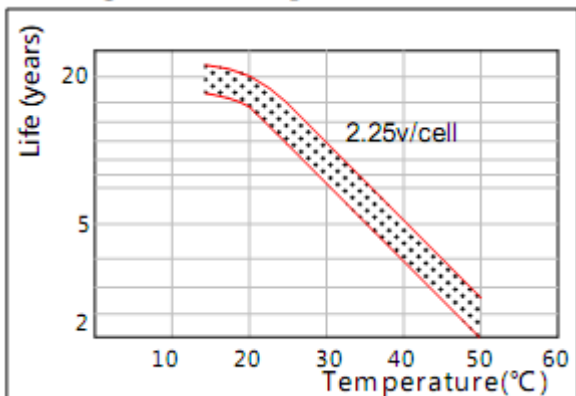
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



## The Relationship for Charging Voltage and Temperature



## Floating Life on Temperature



## Cycle Life on D.O.D(25°C)

