

# CFPG2800S (2V800Ah)

## Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	800 Ah
	3HR(1.75V)	600Ah
	1HR(1.60V)	455Ah
Dimension	Length	210±2mm (8.27inch)
	Width	191±2mm (7.52inch)
	Height	646±3mm (25.43inch)
	Total Height	681±3mm (26.81inch)
Approx. Weight		60kg (132lbs)±3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.40mΩ
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		160A
Terminal material		Copper
Maximum discharge current		4000A(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)

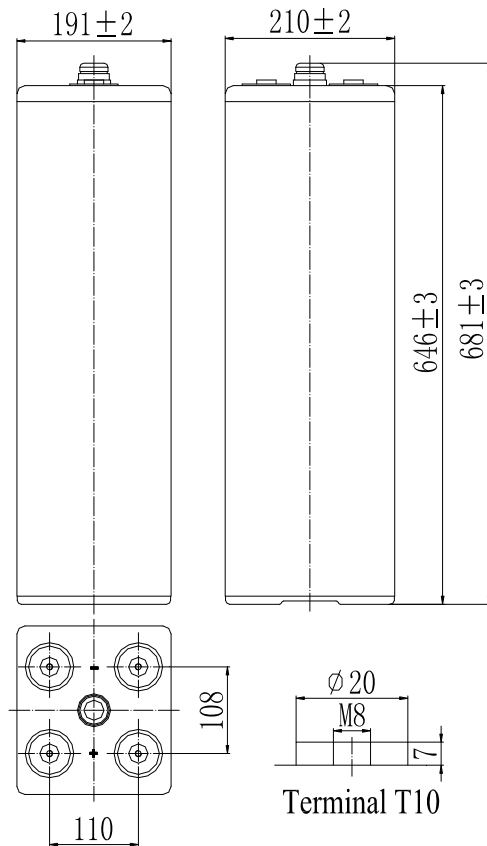
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	640	455	280	205	165	144	124	96.8	81.6	43.1	---	---
1.65V	631	447	280	205	163	143	123	96.8	81.6	43.1	--	--
1.70V	615	432	279	201	161	141	122	96.0	80.8	42.4	19.5	---
1.75V	600	424	272	200	161	141	121	95.2	80.8	42.4	19.5	8.08
1.80V	584	408	265	193	156	137	117	92.0	80.0	42.3	19.3	8.03

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

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1199	856	543	400	321	281	245	193	163	85.6	---	---
1.65V	1175	847	536	399	320	281	241	192	161	85.6	--	--
1.70V	1152	823	535	392	319	280	240	191	161	84.8	39.9	---
1.75V	1128	807	527	392	313	279	239	189	160	84.8	39.3	16.48
1.80V	1095	784	512	383	305	271	232	184	159	84.0	39.2	16.40

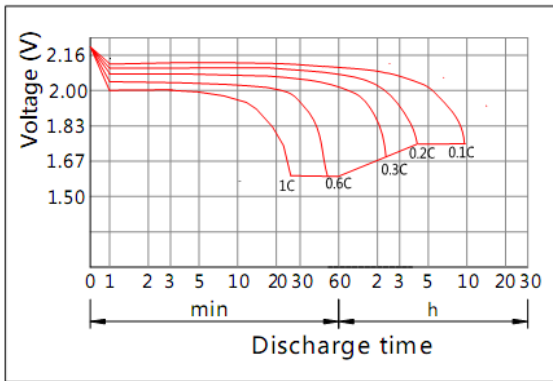
Note: The above characteristics data can be obtained within three charge/discharge cycles.

## Dimensions

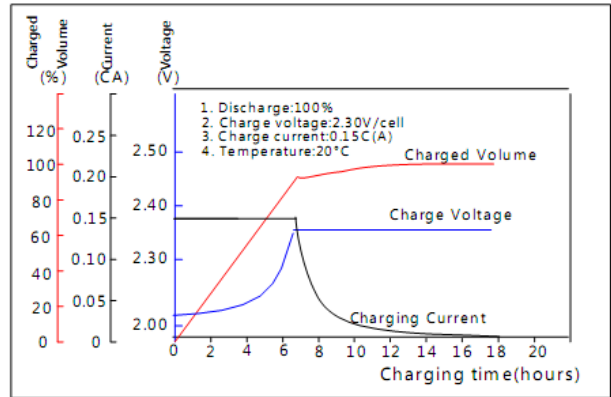


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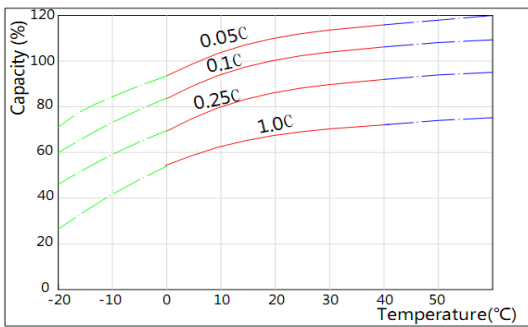
## Discharge Characteristics(25°C)



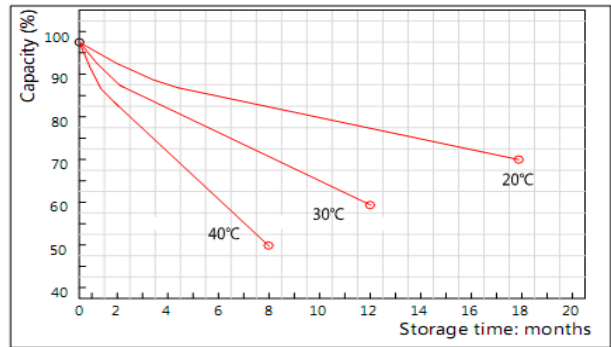
## Charging Characteristics(25°C)



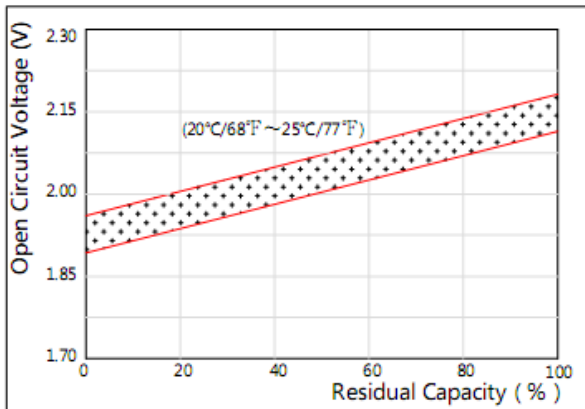
## Effect of Temperature on Capacity



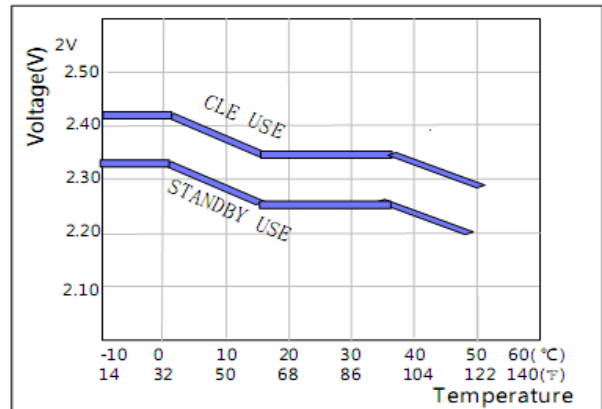
## Self-discharge Characteristics



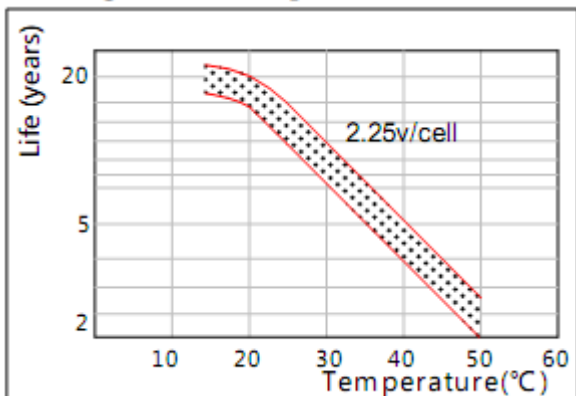
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



## The Relationship for Charging Voltage and Temperature



## Floating Life on Temperature



## Cycle Life on D.O.D(25°C)

