

# CFPG2800 (2V800Ah)

## Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	800 Ah
	3HR(1.75V)	615Ah
	1HR(1.60V)	480Ah
Dimension	Length	410±2mm (16.14inch)
	Width	175±2mm (6.89inch)
	Height	330±2mm (12.99inch)
	Total Height	367±2mm (14.45inch)
Approx. Weight		53.5kg (117.7lbs)±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)

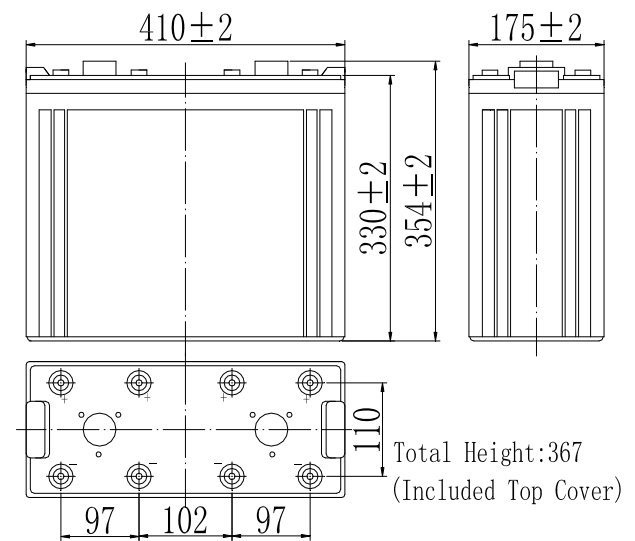
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	680	480	295	208	168	145	125	97.6	81.6	43.1	---	---
1.65V	671	472	289	208	167	144	124	97.6	81.6	43.1	--	--
1.70V	655	463	288	207	165	143	123	96.8	80.8	42.4	19.5	---
1.75V	640	455	287	205	165	143	122	96.0	80.8	42.4	19.5	8.08
1.80V	623	439	279	199	159	139	118	92.8	80.0	42.3	19.3	8.00

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

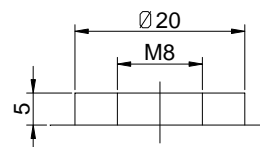
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1272	912	567	408	328	287	247	195	163	85.6	---	---
1.65V	1248	896	560	407	327	287	245	193	161	85.6	--	--
1.70V	1224	872	559	400	327	281	245	192	161	84.8	39.9	---
1.75V	1200	856	544	400	321	280	240	192	160	84.8	39.3	16.5
1.80V	1160	832	535	391	312	272	233	185	159	84.0	39.2	16.4

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

## Dimensions



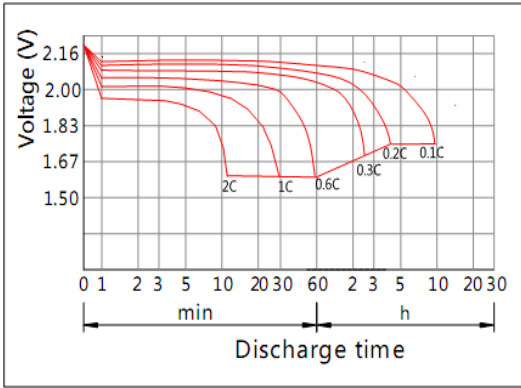
## Terminal



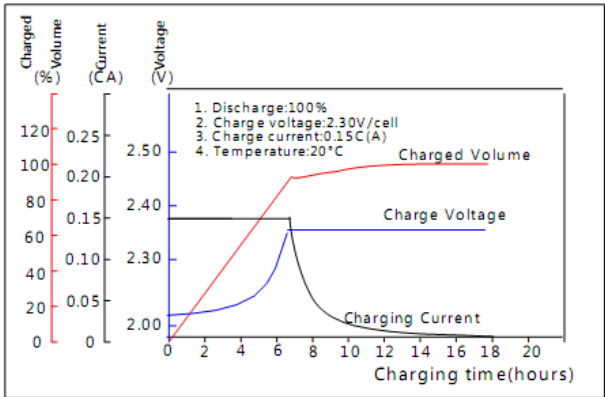
Terminal T10

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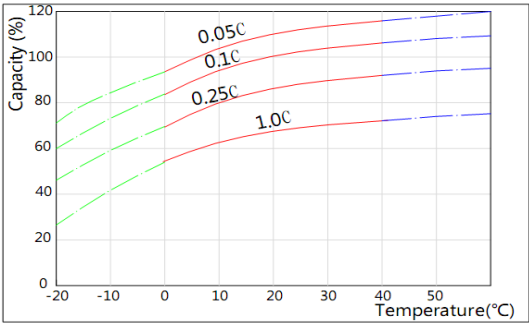
**Discharge Characteristics(25°C)**



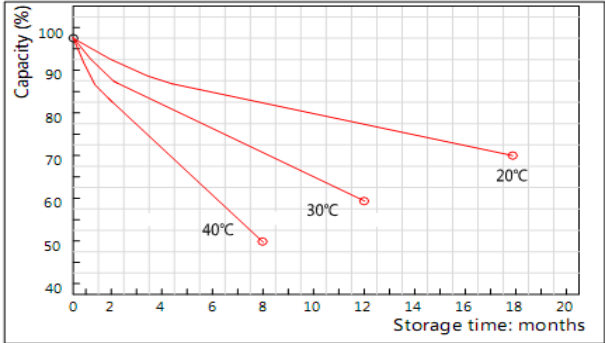
**Charging Characteristics(25°C)**



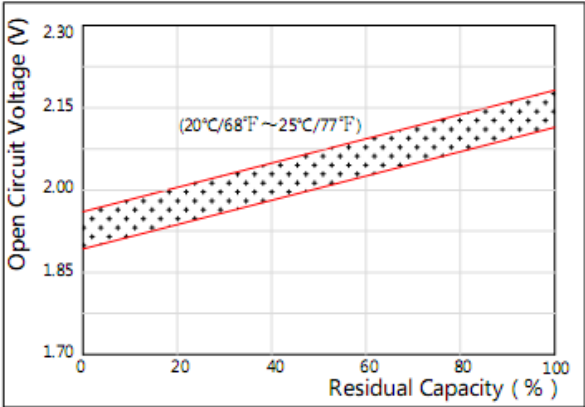
**Effect of Temperature on Capacity**



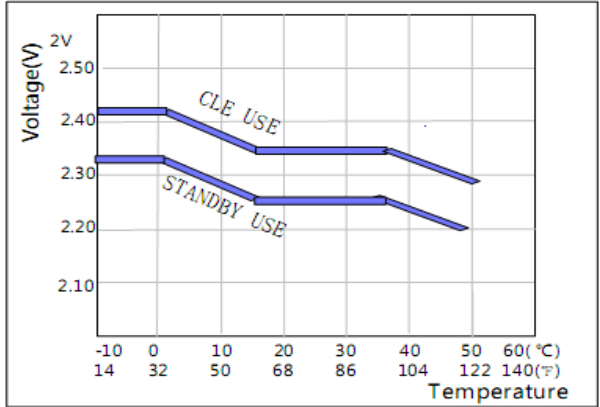
**Self-discharge Characteristics**



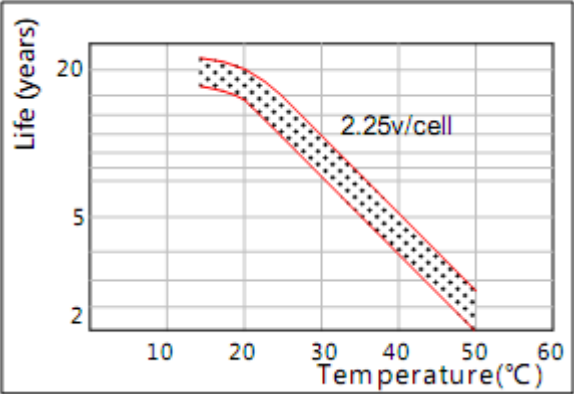
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**

