

## Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	200 Ah
	3HR(1.75V)	150Ah
	1HR(1.60V)	113Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	103 ± 1mm (4.06inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		15.5kg (34.1lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.90m 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 ~ 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		40A
Terminal material		Copper
Maximum discharge current		1000A(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)

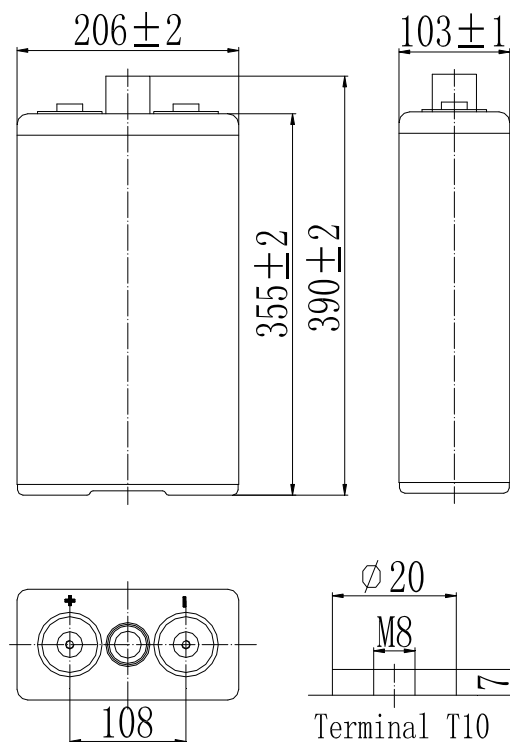
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	160	113	70.1	51.0	41.0	36.0	30.9	24.2	20.4	10.7	---	---
1.65V	157	111	69.7	50.8	40.8	35.6	30.7	24.2	20.4	10.7	--	--
1.70V	153	108	69.1	50.4	40.4	35.4	30.5	24.0	20.2	10.6	4.88	---
1.75V	150	106	68.2	50.0	40.2	35.2	30.3	23.8	20.2	10.6	4.88	2.02
1.80V	146	102	66.4	48.4	39.0	34.3	29.3	23.0	20.0	10.5	4.84	2.00

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

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	299	214	135	100	80.4	70.9	60.8	48.3	40.6	21.4	---	---
1.65V	293	211	134	99.0	79.8	70.5	60.6	47.9	40.4	21.4	--	--
1.70V	288	205	133	98.0	79.4	69.9	60.2	47.5	40.4	21.2	9.94	---
1.75V	282	201	131	98.0	78.8	69.5	59.6	47.3	40.0	21.2	9.84	4.12
1.80V	273	196	128	95.1	76.4	67.3	57.8	45.9	39.8	21.0	9.78	4.10

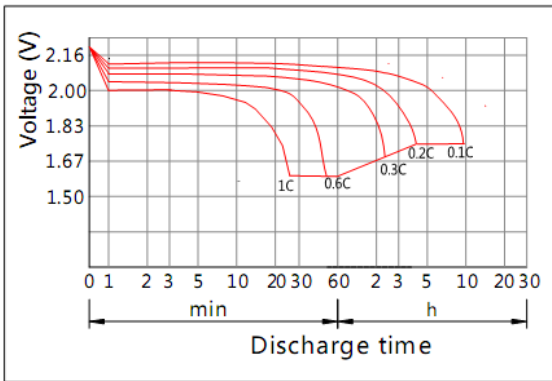
Note: The above characteristics data can be obtained within three charge/discharge cycles.

### Dimensions

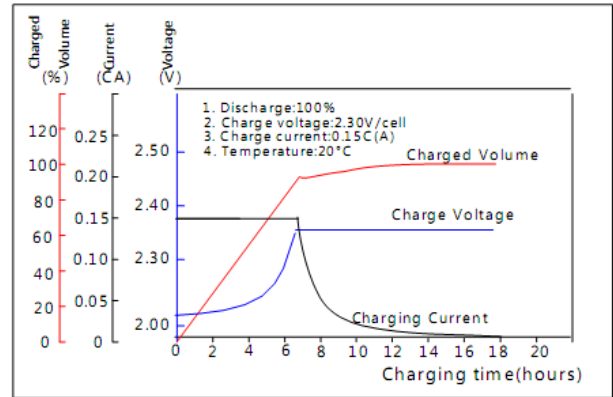


# CFPG2200S (2V200Ah)

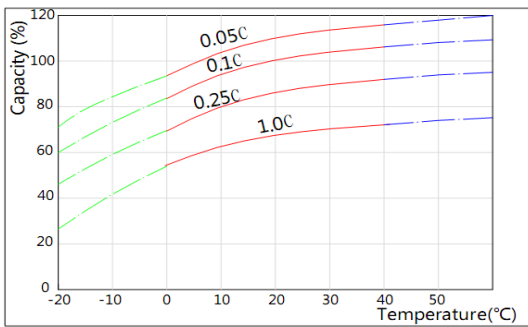
## Discharge Characteristics(25°C)



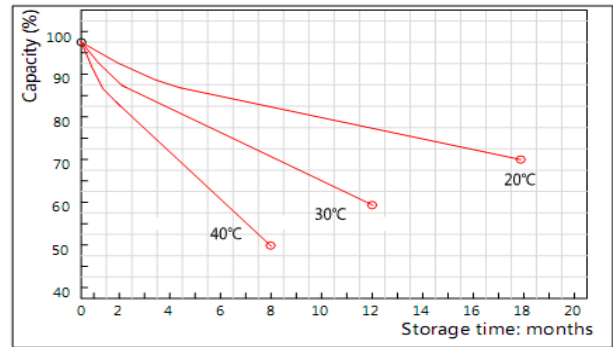
## Charging Characteristics(25°C)



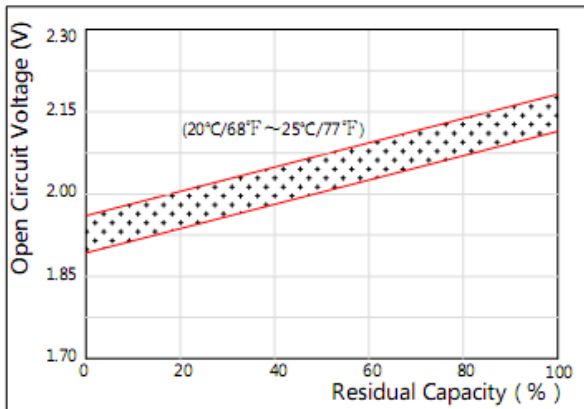
## Effect of Temperature on Capacity



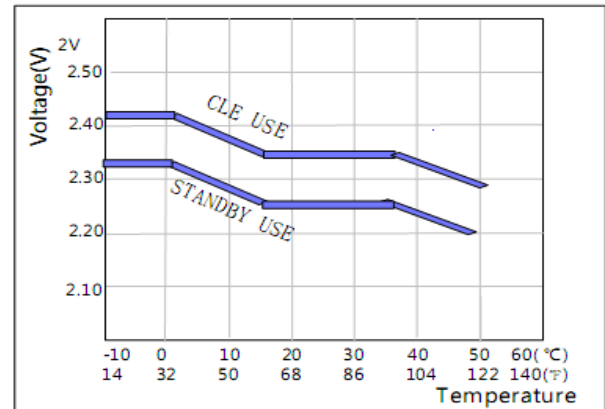
## Self-discharge Characteristics



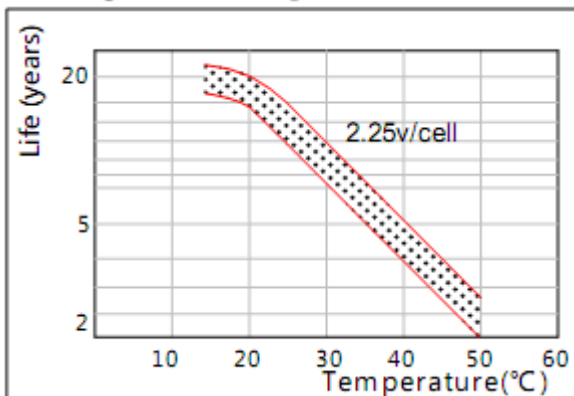
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



## The Relationship for Charging Voltage and Temperature



## Floating Life on Temperature



## Cycle Life on D.O.D(25°C)

