

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	300 Ah
	3HR(1.75V)	225Ah
	1HR(1.60V)	170Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	145 ± 1mm (5.71inch)
	Height	355 ± 2mm (13.98inch)
	Total Height	390 ± 2mm (15.35inch)
Approx. Weight		21kg (46.2lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.75m 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		60A
Terminal material		Copper
Maximum discharge current		1500A(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)

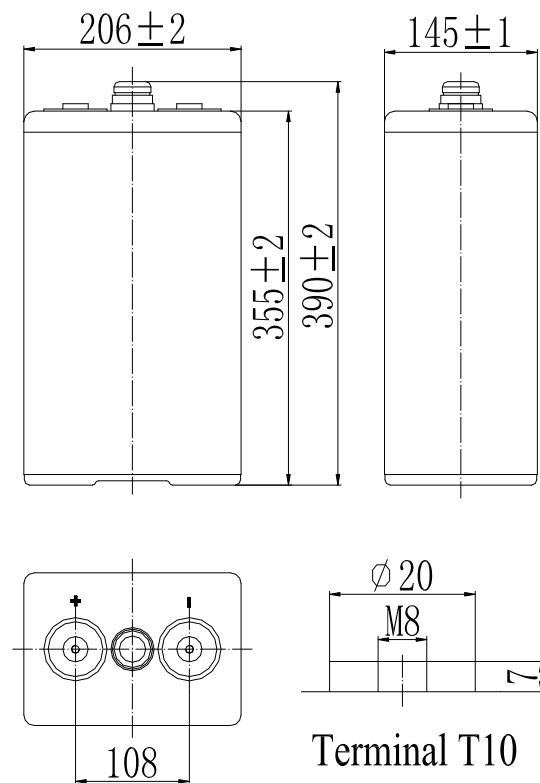
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	240	170	105	76.5	61.5	54.0	46.4	36.3	30.6	16.1	---	---
1.65V	236	167	105	76.2	61.2	53.4	46.1	36.3	30.6	16.1	--	--
1.70V	230	162	104	75.6	60.6	53.1	45.8	36.0	30.3	15.9	7.32	---
1.75V	225	159	102	75.0	60.3	52.8	45.5	35.7	30.3	15.9	7.32	3.03
1.80V	219	153	100	72.6	58.5	51.5	44.0	34.5	30.0	15.8	7.26	3.00

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	449	321	203	150	121	106	91.2	72.5	60.9	32.1	---	---
1.65V	440	317	201	149	120	106	90.9	71.9	60.6	32.1	--	--
1.70V	432	308	200	147	119	105	90.3	71.3	60.6	31.8	14.9	---
1.75V	423	302	197	147	118	104	89.4	71.0	60.0	31.8	14.8	6.18
1.80V	410	294	192	143	115	101	86.7	68.9	59.7	31.5	14.7	6.15

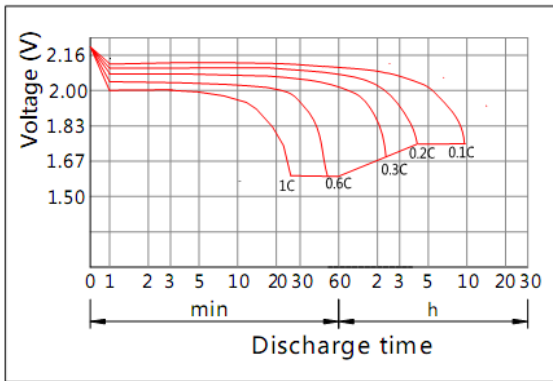
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

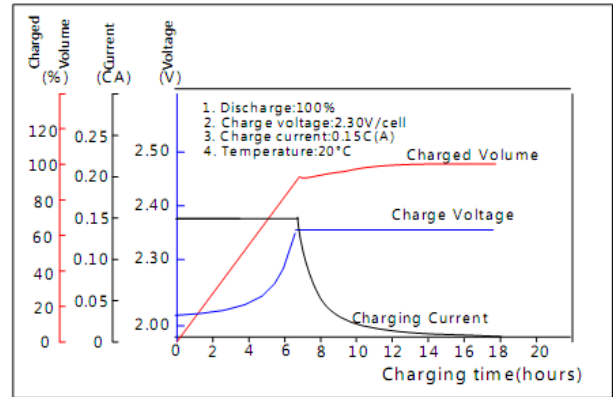


CFPG2300S (2V300Ah)

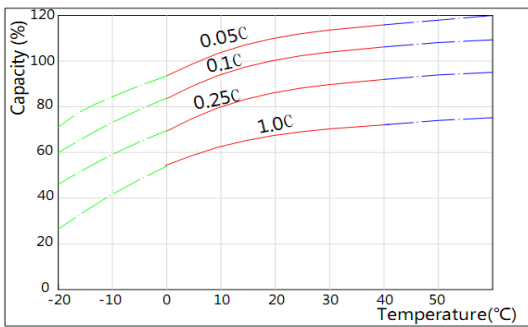
Discharge Characteristics(25°C)



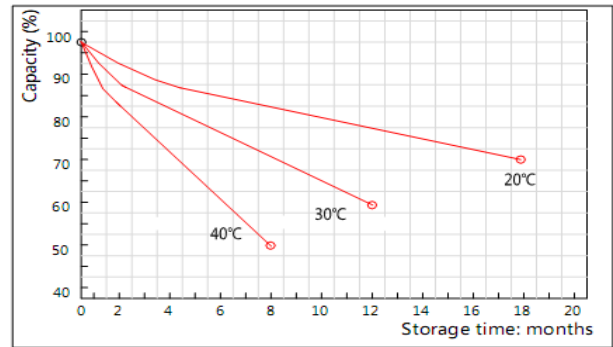
Charging Characteristics(25°C)



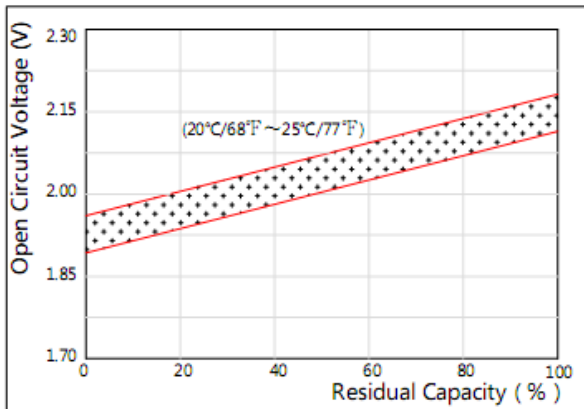
Effect of Temperature on Capacity



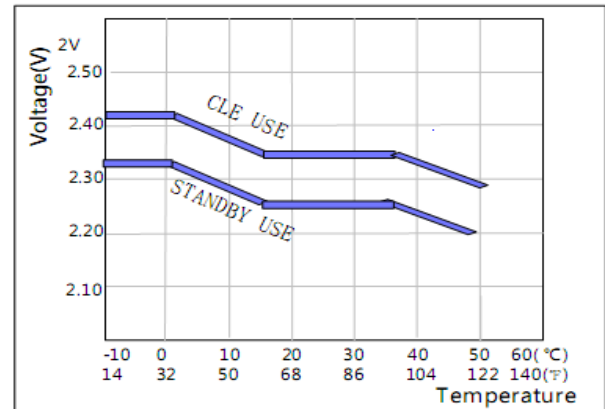
Self-discharge Characteristics



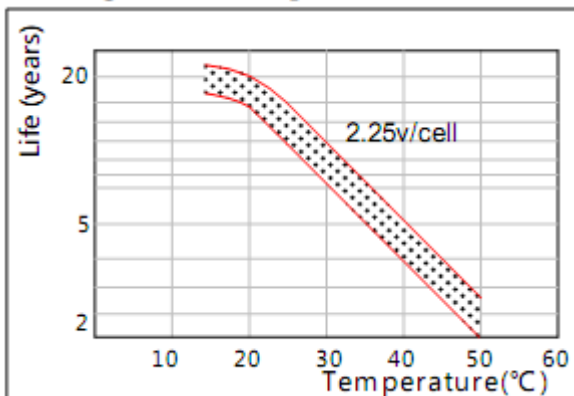
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

