

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	500 Ah
	3HR(1.75V)	375Ah
	1HR(1.60V)	284Ah
Dimension	Length	206 ± 2mm (8.11inch)
	Width	166 ± 2mm (6.54inch)
	Height	471 ± 2mm (18.54inch)
	Total Height	506 ± 2mm (19.92inch)
Approx. Weight		32kg (70.4lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.50m 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		100A
Terminal material		Copper
Maximum discharge current		2500A(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)

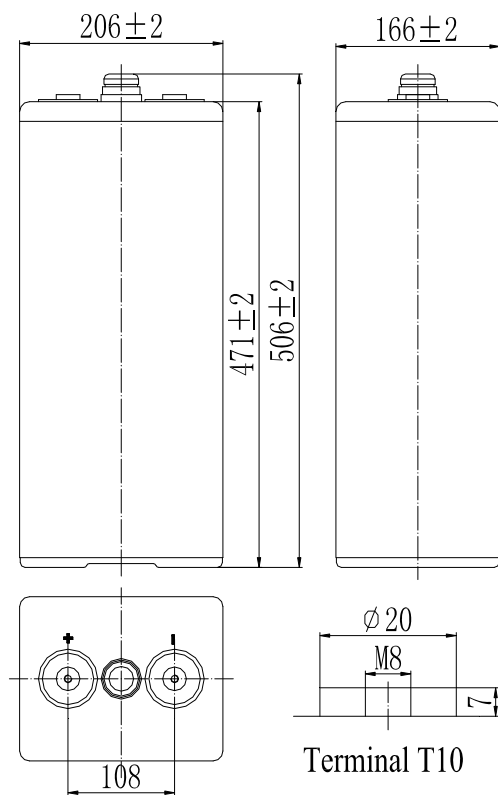
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	400	284	175	128	103	90.0	77.4	60.5	51.0	26.9	---	---
1.65V	394	279	175	128	102	89.0	76.9	60.5	51.0	26.9	--	--
1.70V	384	270	174	126	101	88.5	76.4	60.0	50.5	26.5	12.2	---
1.75V	375	265	170	125	101	88.0	75.9	59.5	50.5	26.5	12.2	5.05
1.80V	365	255	166	121	97.5	85.9	73.4	57.5	50.0	26.4	12.1	5.00

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	749	535	339	250	201	176	153	121	102	53.5	---	---
1.65V	734	529	335	249	200	176	151	120	101	53.5	--	--
1.70V	720	514	334	245	199	175	150	119	101	53.0	24.9	---
1.75V	705	504	329	245	196	174	149	118	100	53.0	24.6	10.30
1.80V	684	490	320	239	191	169	145	115	99.5	52.5	24.5	10.25

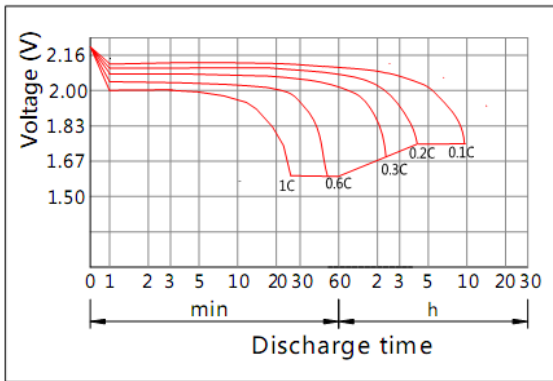
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

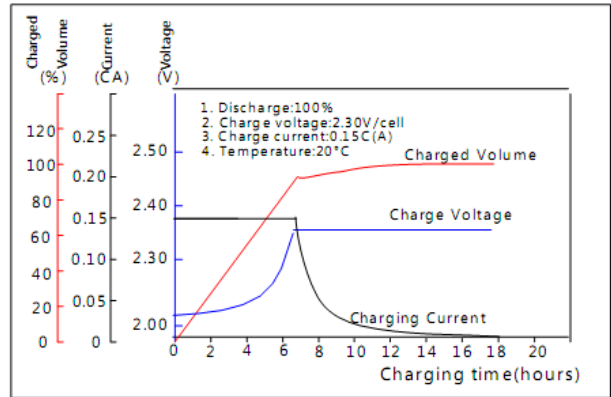


CFPG2500S (2V500Ah)

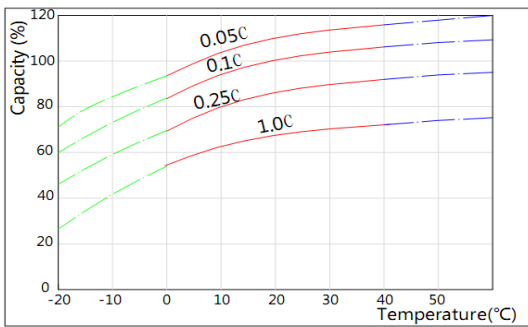
Discharge Characteristics(25°C)



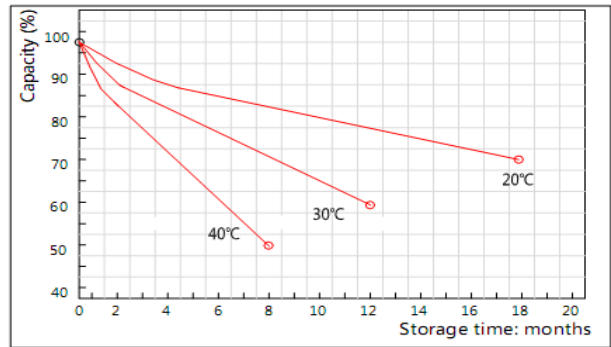
Charging Characteristics(25°C)



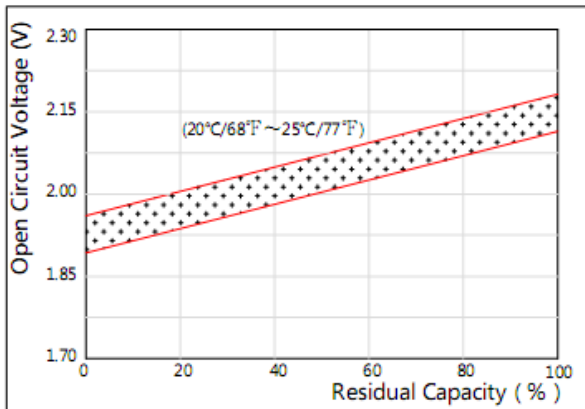
Effect of Temperature on Capacity



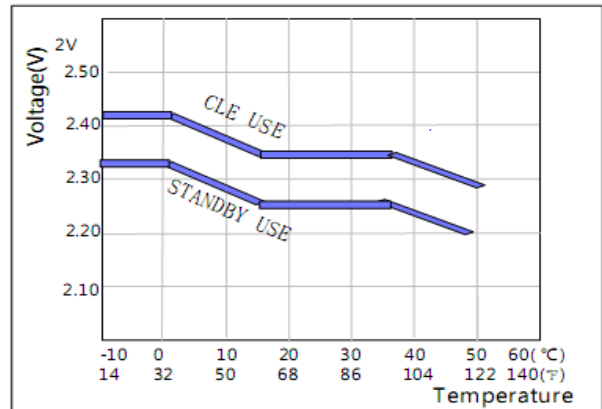
Self-discharge Characteristics



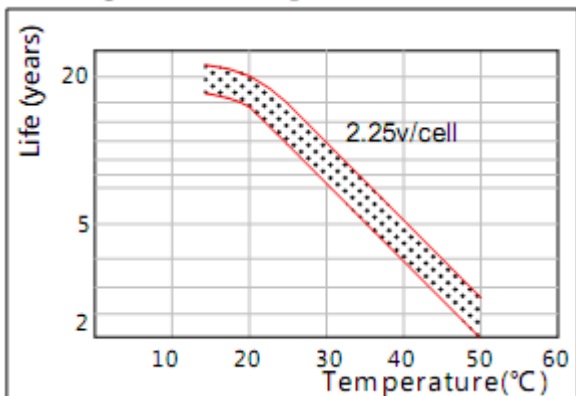
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

