

CFPG21200S (2V1200Ah)

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	1200 Ah
	3HR(1.75V)	900Ah
	1HR(1.60V)	683Ah
Dimension	Length	275 ± 2mm (10.83inch)
	Width	210 ± 2mm (8.27inch)
	Height	646 ± 3mm (25.43inch)
	Total Height	681 ± 3mm (26.81inch)
Approx. Weight		87kg (191.4bs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.28m 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		240A
Terminal material		Copper
Maximum discharge current		6000A(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)

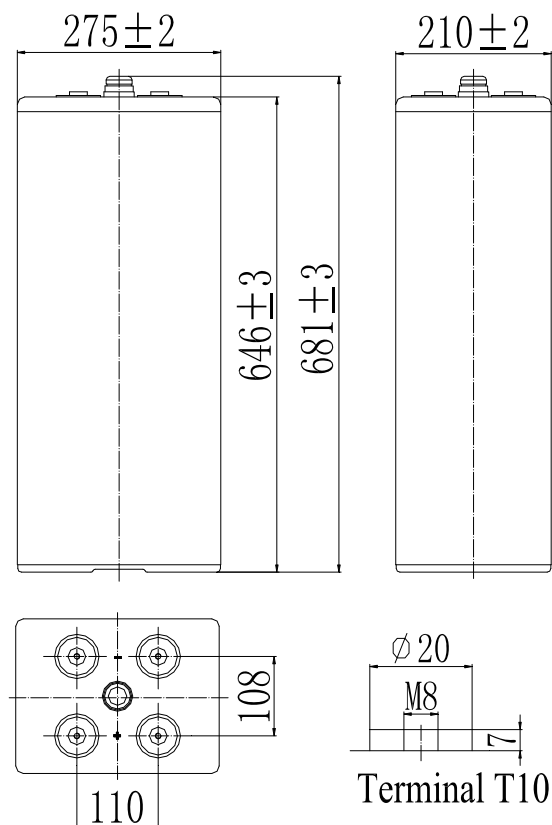
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	960	683	420	307	247	216	186	145	122	64.7	---	---
1.65V	947	671	420	307	245	215	185	145	122	64.7	--	--
1.70V	923	648	419	301	241	211	184	144	121	63.6	29.3	---
1.75V	900	636	408	300	241	211	181	143	121	63.6	29.3	12.1
1.80V	876	612	397	289	234	205	175	138	120	63.5	28.9	12.0

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	1799	1284	815	600	481	421	367	289	245	128	---	---
1.65V	1763	1271	804	599	480	421	361	288	241	128	--	--
1.70V	1728	1235	803	588	479	420	360	287	241	127	59.9	---
1.75V	1692	1211	791	588	469	419	359	283	240	127	58.9	24.7
1.80V	1643	1176	768	575	457	407	348	276	239	126	58.8	24.6

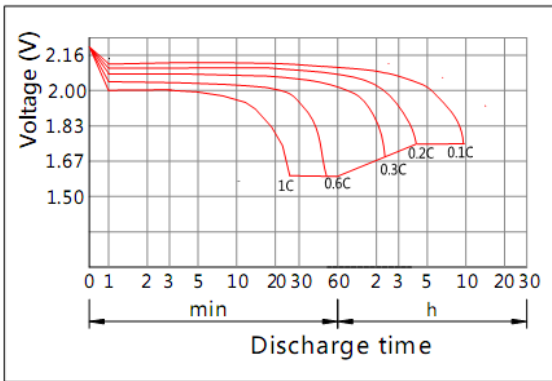
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

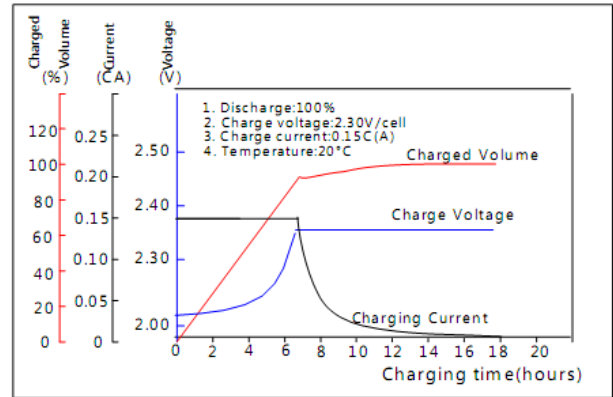


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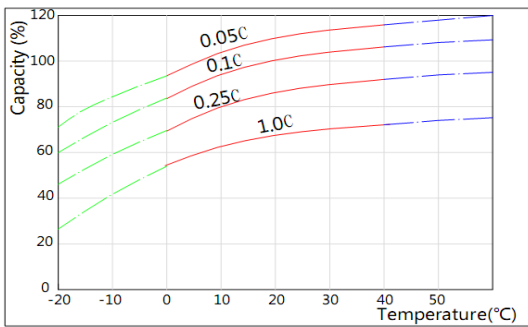
Discharge Characteristics(25°C)



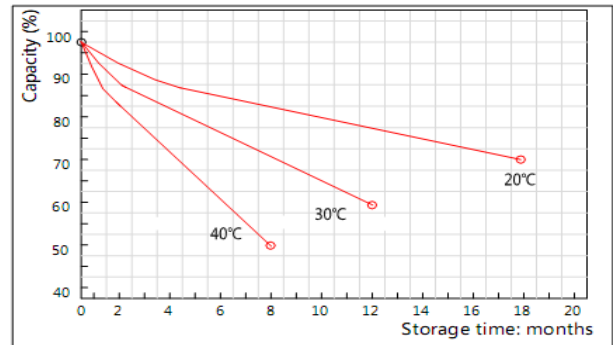
Charging Characteristics(25°C)



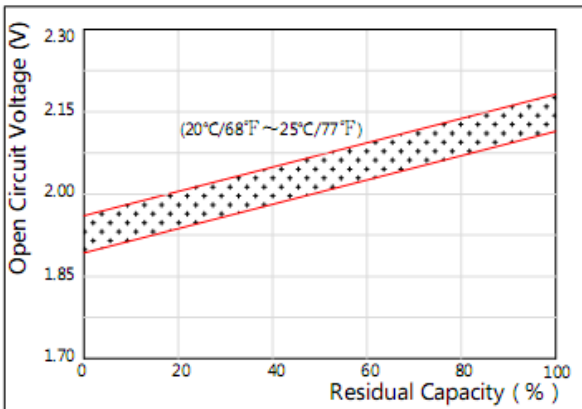
Effect of Temperature on Capacity



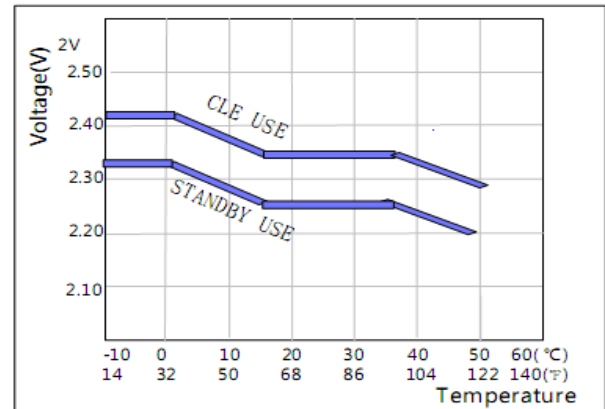
Self-discharge Characteristics



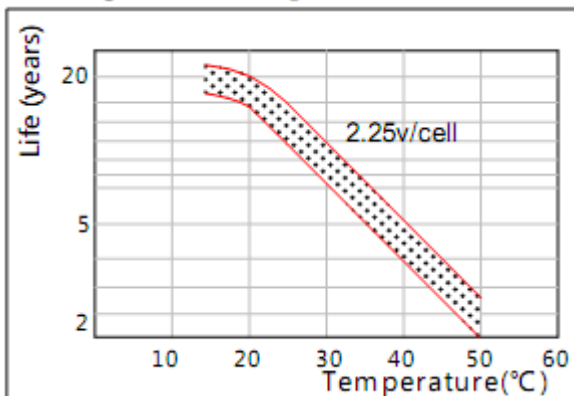
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

