

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	2500 Ah
	3HR(1.75V)	1875 Ah
	1HR(1.60V)	1423Ah
Dimension	Length	487 ± 3mm (19.17inch)
	Width	212 ± 2mm (8.35inch)
	Height	772 ± 3mm (30.39inch)
	Total Height	807 ± 3mm (31.77inch)
Approx. Weight		187kg (411lbs) ± 3%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.17m 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		500A
Terminal material		Copper
Maximum discharge current		12500A(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)

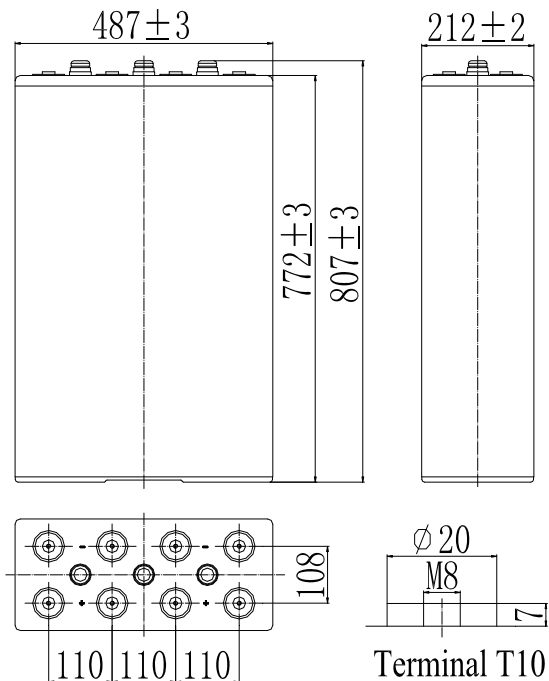
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	2000	1423	875	640	515	450	388	303	255	135	---	---
1.65V	1973	1398	875	640	510	448	385	303	255	135	--	--
1.70V	1923	1350	873	628	503	440	383	300	253	133	61.0	---
1.75V	1875	1325	850	625	503	440	378	298	253	133	60.7	25.3
1.80V	1825	1275	828	603	488	428	365	288	250	131	60.3	25.0

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
1.60V	3748	2675	1698	1250	1003	878	765	603	510	268	---	---
1.65V	3673	2648	1675	1248	1000	878	753	600	503	268	--	--
1.70V	3600	2573	1673	1225	998	875	750	598	503	265	125	---
1.75V	3525	2523	1648	1225	978	873	748	590	500	265	123	51.5
1.80V	3423	2450	1600	1198	953	848	725	575	498	263	123	51.3

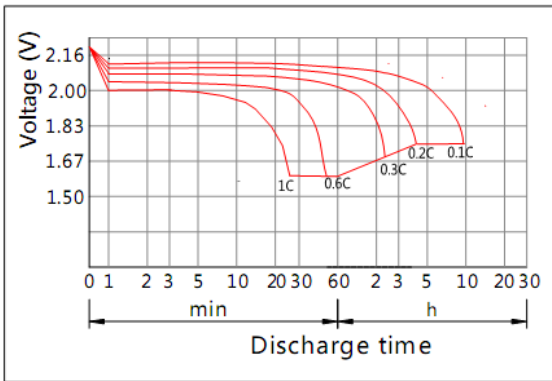
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

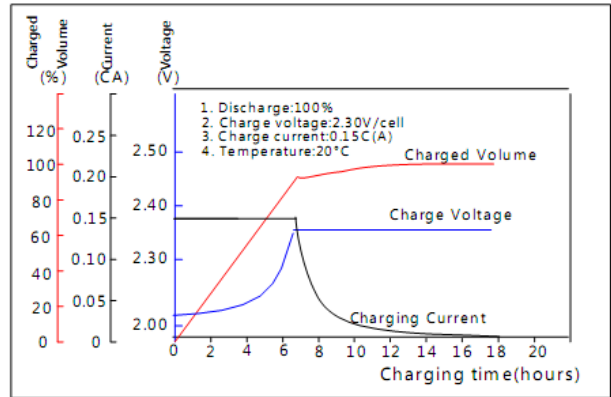


CFPG22500S (2V2500Ah)

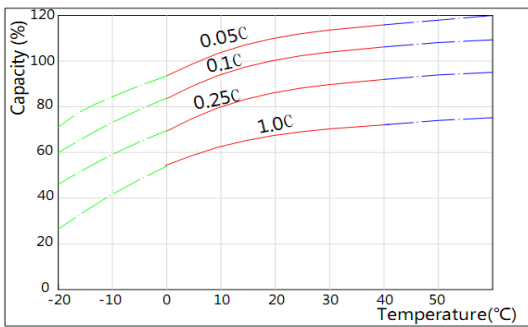
Discharge Characteristics(25°C)



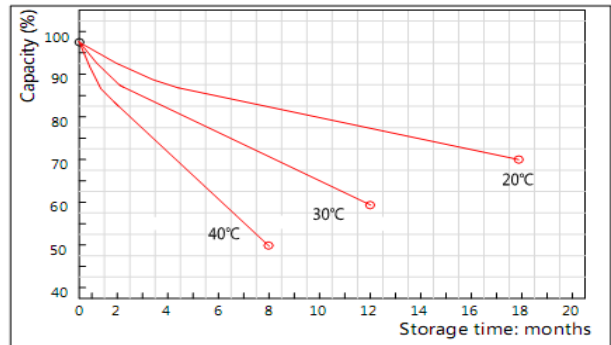
Charging Characteristics(25°C)



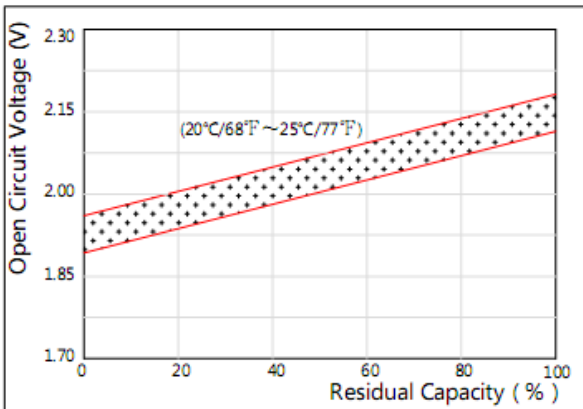
Effect of Temperature on Capacity



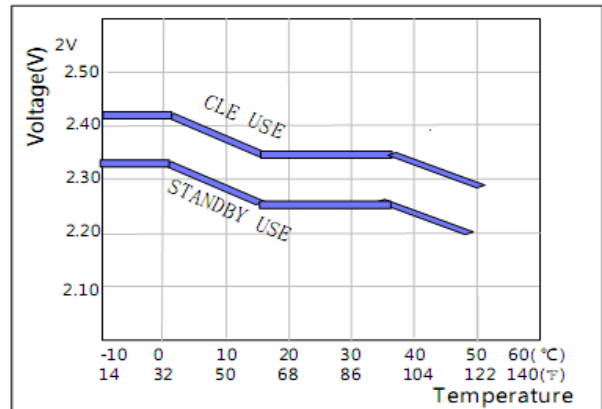
Self-discharge Characteristics



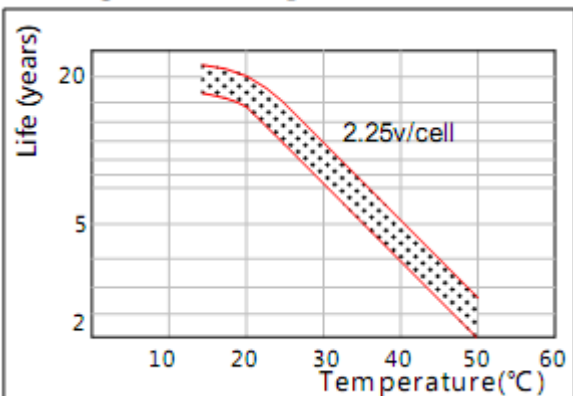
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

