

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	980Ah
	10HR(1.80V)	800Ah
	1HR(1.60V)	448Ah
Dimension	Length	191 ± 2mm (7.52inch)
	Width	206 ± 2mm (8.11inch)
	Height	646 ± 3mm (25.4inch)
	Total Height	681 ± 3mm (26.8inch)
Approx. Weight		58.5kg (129lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx.0.50 m 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 ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		2.25 to 2.27V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -4mV/°C
Maximum charging current		160A
Terminal material		Copper
Maximum discharge current		4000A(5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard.

Constant Current Discharge Characteristics (A, 25°C)

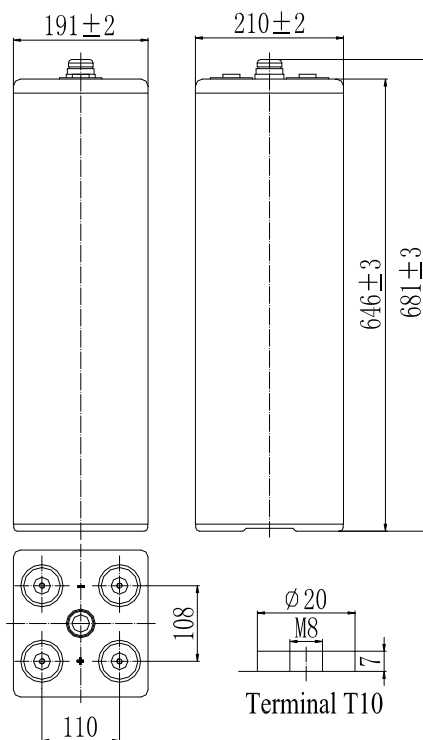
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	666	449	274	211	170	146	125	98.4	81.6	43.0	37.1	---	---	---	---
1.70V	646	438	272	210	169	144	124	97.6	80.8	43.0	36.9	19.6	---	---	---
1.75V	630	429	268	208	168	143	123	96.8	80.8	42.7	36.8	19.5	13.3	---	---
1.80V	607	416	261	202	163	139	119	93.6	80.0	42.4	36.6	19.4	13.2	---	---
1.85V	577	395	248	191	155	132	114	88.8	76.0	40.3	34.8	19.0	13.0	9.68	8.16

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1246	854	530	414	334	286	246	194	162	86.4	74.6	---	---	---	---
1.70V	1208	832	525	410	331	284	245	193	162	85.6	74.1	39.6	---	---	---
1.75V	1178	815	517	408	330	282	242	192	160	85.6	73.9	39.4	27.1	---	---
1.80V	1135	790	504	395	319	274	235	186	159	84.8	73.7	39.1	27.0	---	---
1.85V	1078	751	479	375	303	260	223	176	151	80.6	70.0	38.3	26.4	19.5	16.6

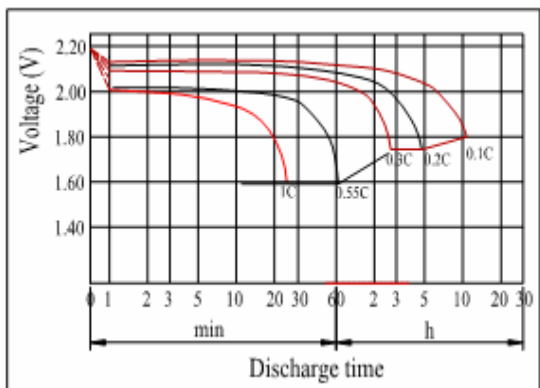
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

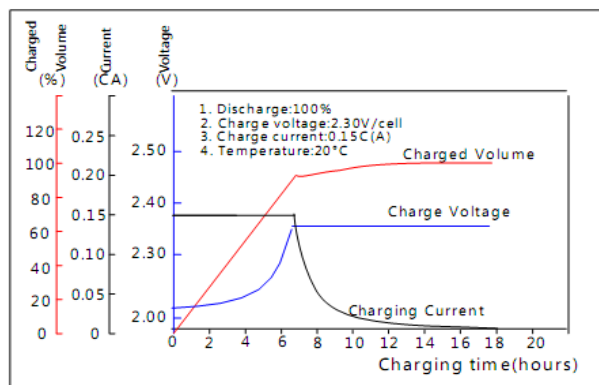


CFPV2800(2V800Ah)

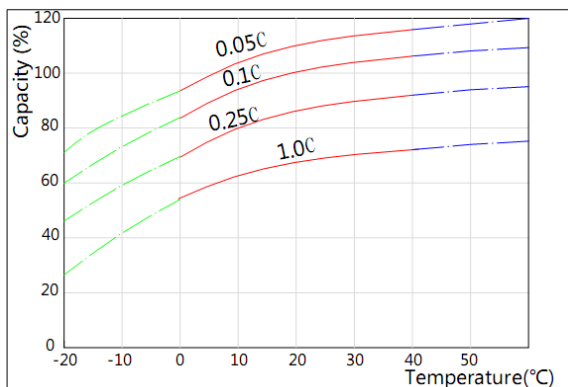
Discharge Characteristics(25°C)



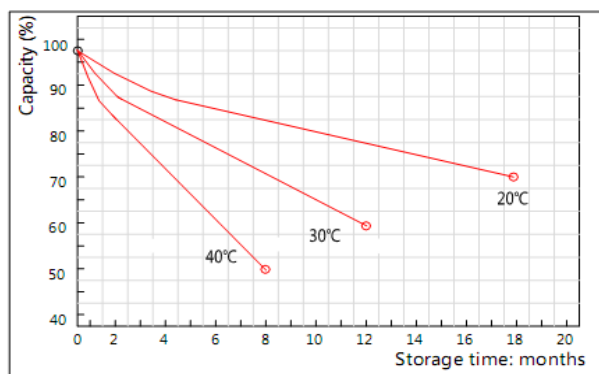
Charging Characteristics(25°C)



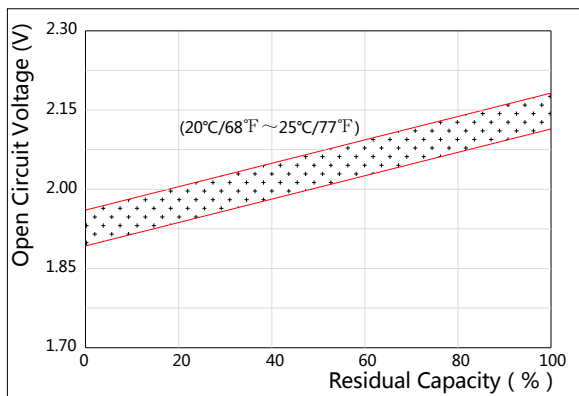
Effect of Temperature on Capacity



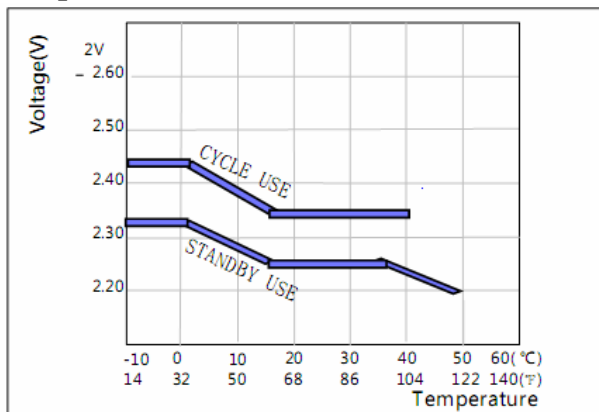
Self-discharge Characteristics



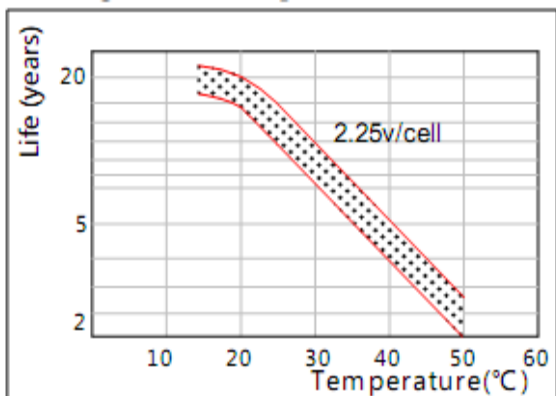
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

