

CFPV21500(2V1500Ah)

Specifications

Nominal Voltage		2 V
Capacity (25°C)	120HR(1.80V)	1835Ah
	10HR(1.80V)	1500 Ah
	1HR(1.60V)	855Ah
Dimension	Length	275 ± 2mm (10.8inch)
	Width	210 ± 2mm (8.27inch)
	Height	795 ± 3mm (31.3inch)
	Total Height	831 ± 3mm (32.7inch)
Approx. Weight		103.5kg (228lbs) ± 4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.25m 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		300A
Terminal material		Copper
Maximum discharge current		7500A(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)

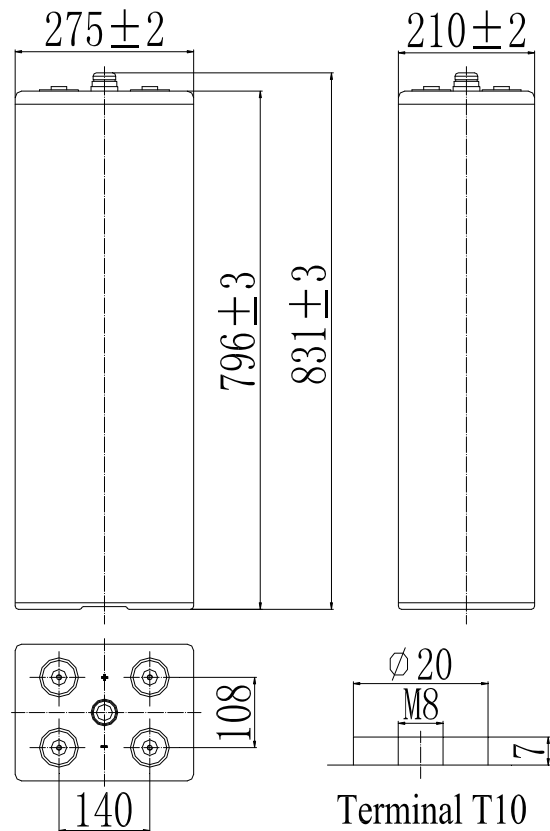
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	100h	120h
1.65V	1250	842	515	396	320	273	234	185	153	80.7	69.6	---	---	---	---
1.70V	1212	821	510	393	317	270	233	183	152	80.6	69.2	36.8	---	---	---
1.75V	1182	804	503	390	315	269	231	182	152	80.1	69.0	36.6	24.9	---	---
1.80V	1139	780	489	378	306	261	224	176	150	79.5	68.7	36.3	24.8	---	---
1.85V	1082	741	465	359	291	248	213	167	143	75.6	65.3	35.6	24.3	18.2	15.3

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	2337	1601	993	776	626	537	462	365	303	162	140	---	---	---	---
1.70V	2265	1560	984	770	621	533	459	362	303	161	139	74.3	---	---	---
1.75V	2210	1529	969	765	618	530	455	360	300	161	139	73.8	50.9	---	---
1.80V	2129	1482	945	741	599	513	441	348	299	159	138	73.4	50.6	---	---
1.85V	2022	1409	899	704	569	488	419	330	284	151	131	71.9	49.5	36.6	31.2

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

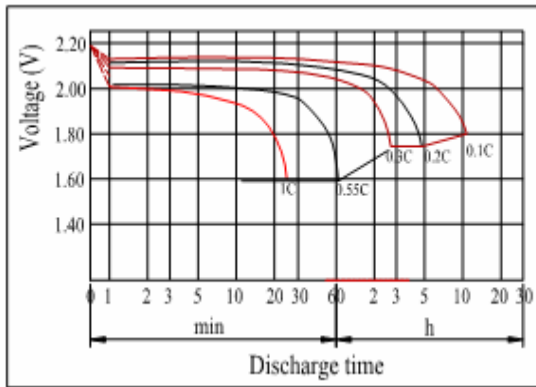
Dimensions



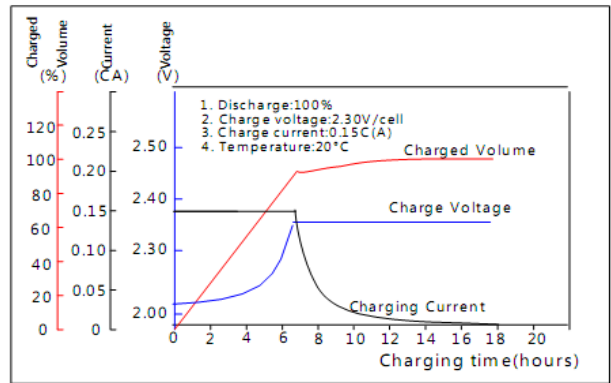
Terminal T10

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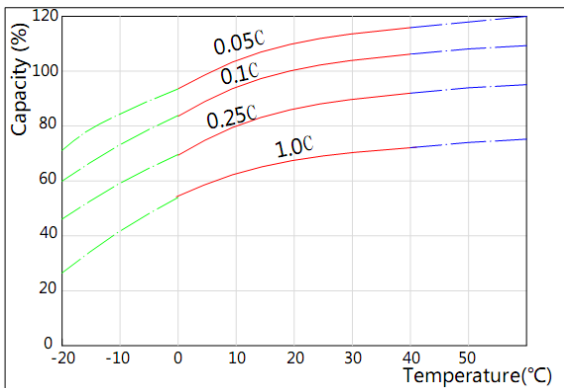
Discharge Characteristics(25°C)



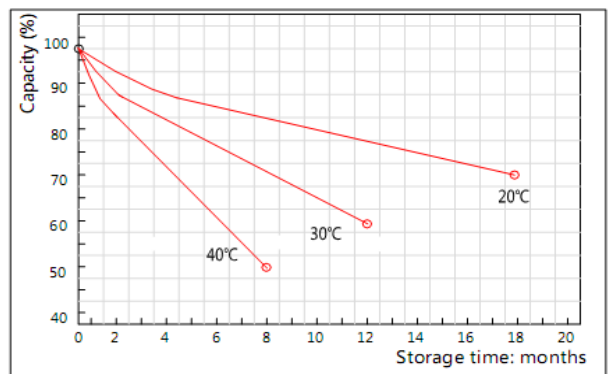
Charging Characteristics(25°C)



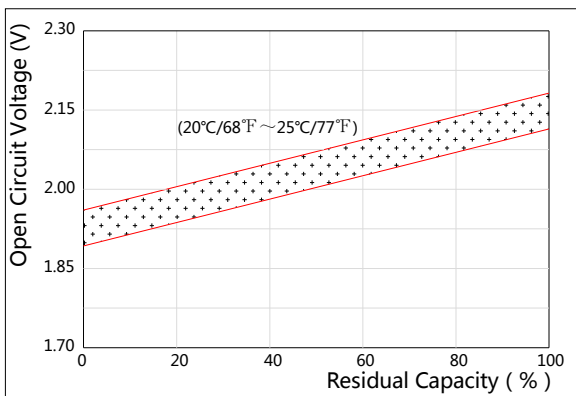
Effect of Temperature on Capacity



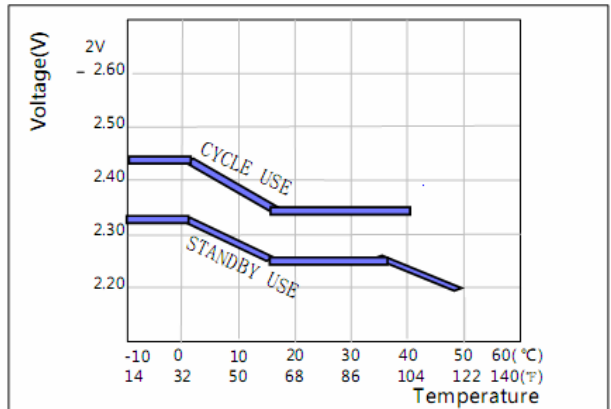
Self-discharge Characteristics



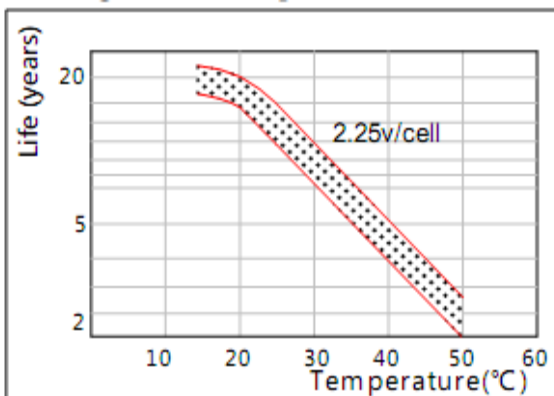
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

