



CFPV2800
OPzV 2V800Ah

Dimensi :

L : 210 mm
W : 191 mm
H : 646 mm
TH : 681 mm
Weight : 62 Kg



Dimensions

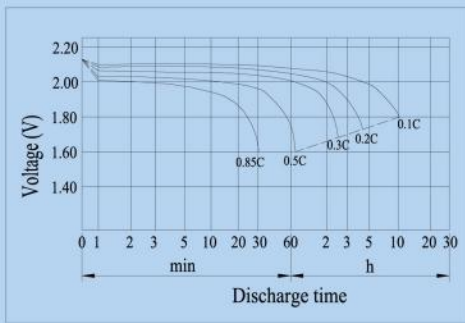


OPzV2-800[2V800Ah/10HR]
VALVE REGULATED TUBULAR GEL BATTERY
(NONSPILLABLE)

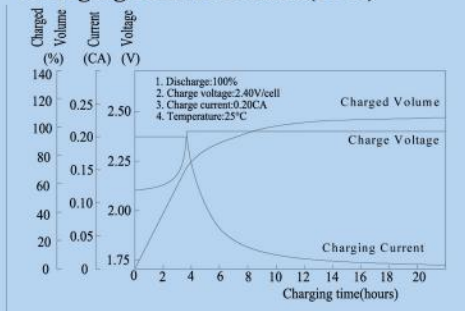
CONSTANT VOLTAGE CHARGE
CYCLE USE : 2.35-2.40V (25 C)
FLOATING : 2.23 - 2.25 V (25 C)
DEEP OF DISCHARGE : 10 HR - 1.8 V
• DO NOT SHORT CIRCUIT THE BATTERY
• RECHARGE AFTER USE

FIRSTPOWER TECHNOLOGY CO., LTD.
MADE IN INDONESIA

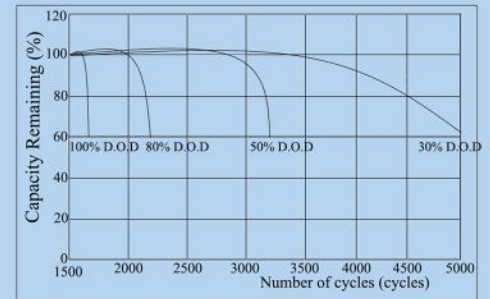
Discharge Characteristics(25 C)



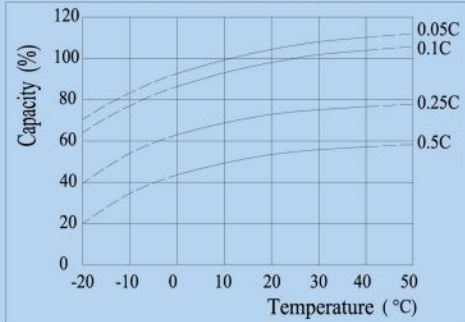
Charging Characteristics(25 C)



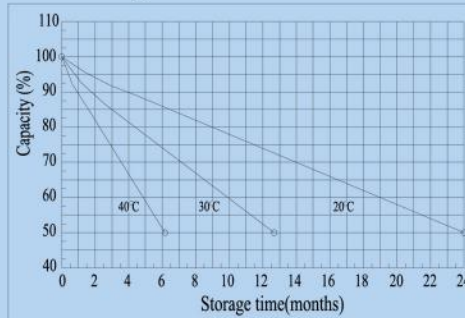
Cycle Life on D.O.D(25°C)



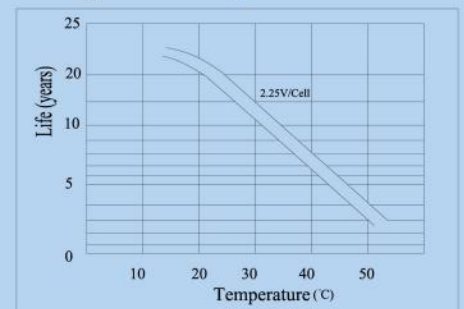
Effect of Temperature on Capacity



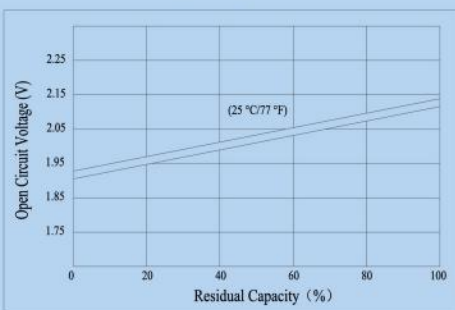
Self-discharge Characteristics



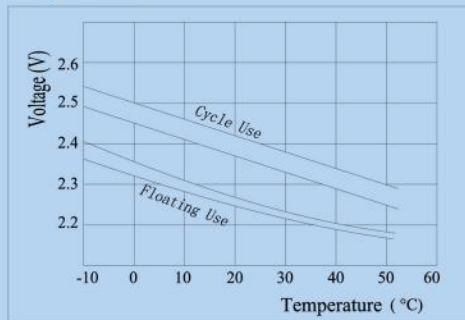
Floating Life on Temperature



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



The Relationship for Charging Voltage and Temperature



Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	800 Ah
	3HR(1.75V)	624Ah
	1HR(1.75V)	429Ah
Internal resistance (Fully charged, 25°C)		Approx. 0.35m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
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)		2.23 to 2.25V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.35 to 2.40V Temperature compensation: -5mV/°C

Specifications

- Gelled electrolyte technology
- Tubular Positive Plate
- ABS Container.
- Max Charging Current : 160A
- Terminal Material : Copper
- Max discharge current : 3200A
- Designed Floating life(20°C) 20 Years
- 2200 Cycle @ 80 % D.O.D

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	680	456	276	212	171	146	126	98.7	81.4	43.2	37.2
1.65V	666	449	274	211	170	145	125	98.2	81.3	43.1	37.1
1.70V	646	438	272	209	169	144	124	97.5	81.0	43.0	36.9
1.75V	630	429	268	208	168	143	123	96.8	80.6	42.7	36.8
1.80V	607	416	261	202	163	139	120	93.9	80.0	42.4	36.6

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	1272	866	533	416	336	288	248	195	162	86.3	74.8
1.65V	1246	853	530	413	334	286	246	194	162	86.2	74.6
1.70V	1208	832	525	411	332	284	244	193	161	85.9	74.1
1.75V	1179	815	517	408	329	282	243	192	160	85.4	73.9
1.80V	1136	790	504	395	319	274	235	186	159	84.8	73.6

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