

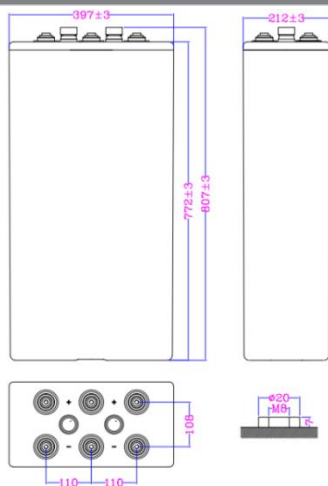
Tubular Gel - OPZV Series



OPzV2000 (2V2000Ah)



Layout



Specifications

Nominal Voltage	2 V
Nominal Capacity(C10)	2000Ah(1.8V/cell@25°C)
Dimensions	397*212*772/807(mm)
Approx .Weight	155.0kg ±3%
Internal Resistance	Approx.0.44mΩ@25°C
Terminal	Φ20* M8
Operating Temperature Range	Discharge: -20°C ~ 50°C
	Charge: -10°C ~ 50°C
	Storage: -20°C ~ 55°C
Nominal Operating Temperature Range	25±3°C
Max. Charging Current	400.0A @25°C
Charging voltage(25°C)	Float: 2 .25V ~ 2 .30V/cell
	Temp.Coefficient: ± 3mV/cell·°C
	Equalization: 2 .35V ~ 2 .40V/cell
	Temp.Coefficient: ± 4mV/cell·°C
	Cycle: 2 .35V ~ 2 .40V/cell
	Temp.Coefficient: ± 4mV/cell·°C
Effect of temperature to rated Capacity(C10)	40°C 105%
	25°C 100%
	0°C 86%
Self Discharge	≤3%/month@ 25°C
Casing material	ABS(UL94 HB or V-0 optional)

Constant Current Discharge*(Amperes @25°C/77° F)

Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	2261	2003	1574	1132	722	538	361	249	209	110
1.65V	2053	1803	1426	1115	711	532	358	247	207	109
1.70V	1911	1708	1371	1086	700	522	352	245	206	108
1.75V	1703	1565	1296	1041	682	512	347	241	204	107
1.80V	1439	1399	1215	1001	659	500	340	237	200	105
1.85V	1170	1155	1044	893	602	460	316	222	188	98.0

Constant Power Discharge*(Watts/cell @25°C/77° F)

Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	3650	3227	2657	2121	1370	1029	700	489	412	216
1.65V	3557	3208	2618	2099	1359	1023	694	487	410	216
1.70V	3372	3151	2543	2059	1336	1006	688	482	406	216
1.75V	3059	2929	2426	1991	1307	988	677	477	403	211
1.80V	2631	2655	2300	1928	1279	972	666	470	397	208
1.85V	2178	2224	1993	1723	1170	898	620	440	372	196



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General Features

- 25-year float design life (20°C)
- Low self-discharge, extended deep-cycle life
- Fully sealed, maintenance-free
- No acid stratification, no leakage, no flowing acid
- High recovery performance, reliable operation
- Suitable for harsh environments in float or cycle use
- Cycle life $\geq 2,500$ cycles at 50% depth of discharge (DoD) at 25°C

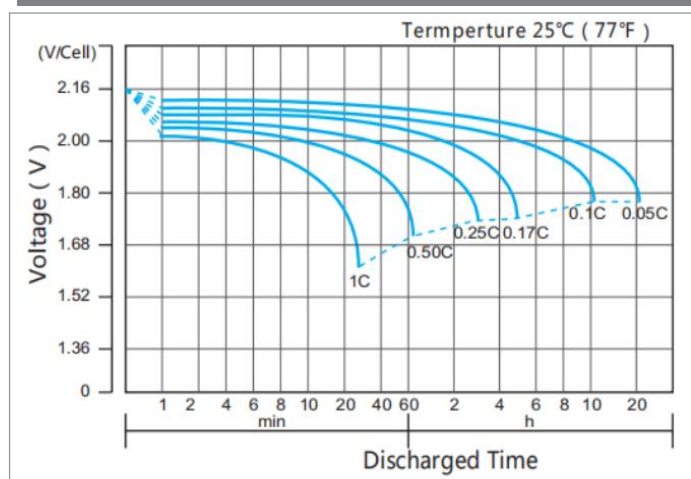
Applications

- UPS backup power
- Telecom and power
- Automation and lighting
- Solar and wind energy storage
- Marine, shipboard, and surveillance systems

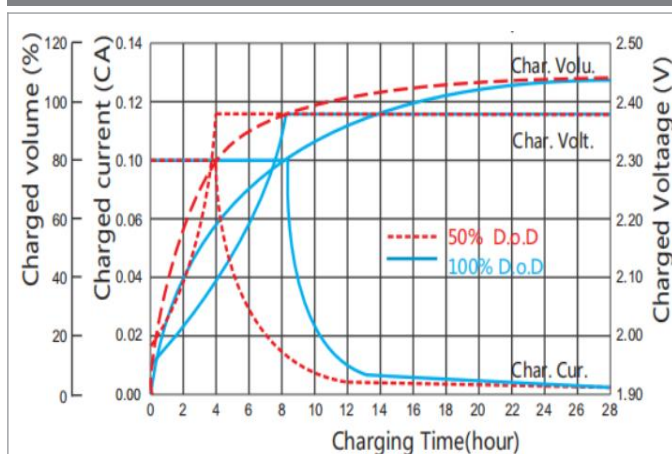
Standards

- Compliant with IEC60896, IEC61427, GB/T19638, YD/T1360-2015, YD/T799, DL/T637
- Certified for CE, and RoHS 、Recah compliance
- The company Aokly is certified under TS16949, OHSAS18001, ISO9001, SA8000 and ISO14001 management systems

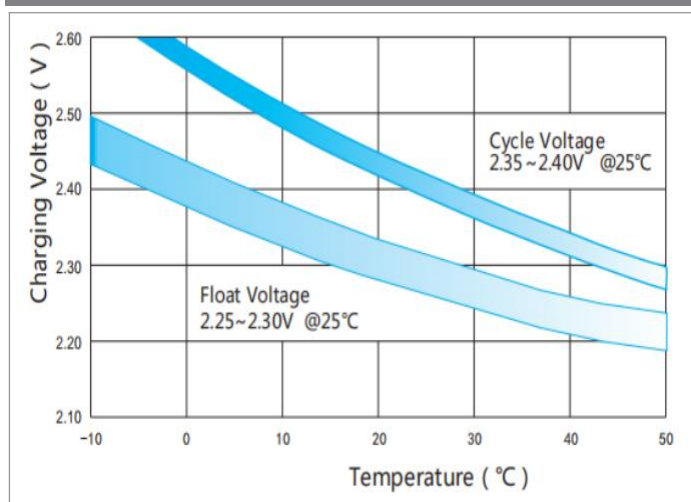
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Temperature vs Charging Voltage



Cycle Life on D.O.D (25°C)

