

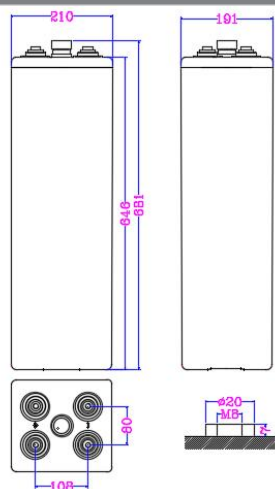
Tubular Gel - OPZV Series



OPzV800 (2V800Ah)



Layout



Specifications

Nominal Voltage	2 V	
Nominal Capacity(C10)	800Ah(1.8V/cell@25℃)	
Dimensions	210*191*646/681(mm)	
Approx .Weight	63.0kg ±3%	
Internal Resistance	Approx.0.60mΩ@25℃	
Terminal	Φ20* M8	
Operating Temperature Range	Discharge: -20℃ ~ 50℃ (-4 ~ 104 °F)	
	Charge: -10℃ ~ 40℃ (-4 ~ 104°F)	
	Storage: -20℃ ~ 55℃ (-4 ~ 122°F)	
Nominal Operating Temperature Range	25±3℃ (77±5°F)	
Max. Charging Current	160.0A @25℃	
Charging voltage(25℃)	Float: 2 .25V ~ 2 .30V/cell	
	Temp.Coefficient: ± 3mV/cell·℃	
	Equalization: 2 .35V ~ 2 .40V/cell	
	Temp.Coefficient: ± 4mV/cell·℃	
	Cycle: 2 .35V ~ 2 .40V/cell	
	Temp.Coefficient: ± 4mV/cell·℃	
Effect of temperature to rated Capacity(C10)	40℃ (104°F)	105%
	25℃ (77°F)	100%
	0℃ (32°F)	86%
Self Discharge	≤3%/month@ 25℃	
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	1016	871	648	452	288	215	144	99.8	83.6	43.9
1.65V	960	811	611	446	284	212	143	99.0	82.8	43.5
1.70V	895	770	588	434	279	208	141	97.8	82.4	43.2
1.75V	796	704	556	416	272	204	139	96.6	81.2	42.6
1.80V	674	629	520	400	263	200	136	95.0	80.0	42.0
1.85V	548	519	447	357	240	184	126	88.6	74.8	39.2

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

Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1708	1471	1139	848	548	411	280	195	165	87.0
1.65V	1666	1441	1123	839	543	409	278	194	164	86.0
1.70V	1579	1384	1090	823	534	402	275	193	162	85.0
1.75V	1432	1287	1040	796	522	395	271	191	161	84.0
1.80V	1232	1166	985	771	511	389	266	188	158	83.0
1.85V	1020	978	853	689	467	359	248	176	149	78.5



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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

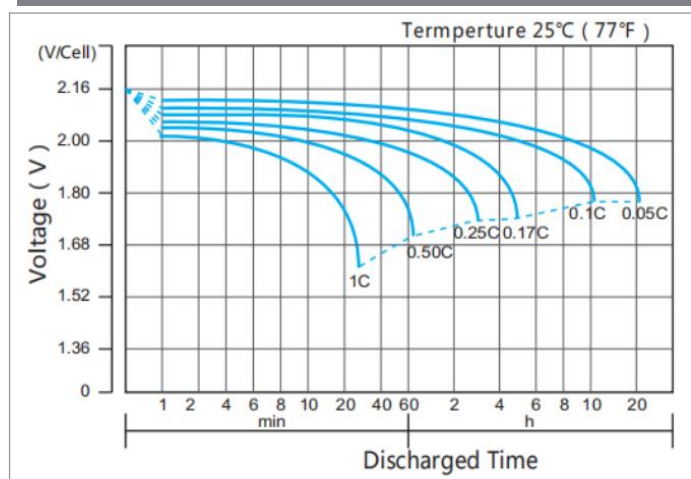
Applications

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

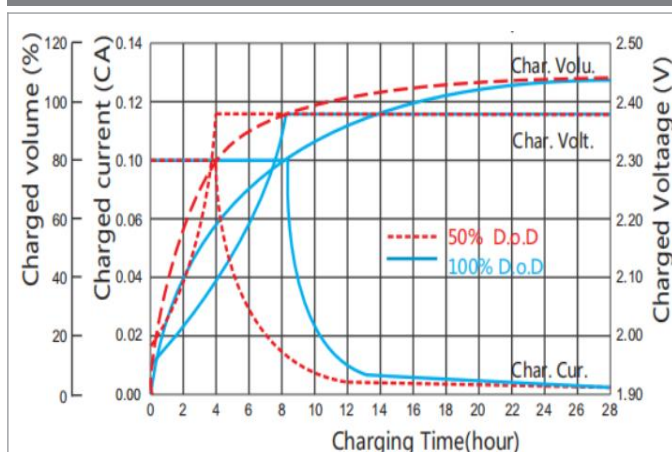
Standards

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

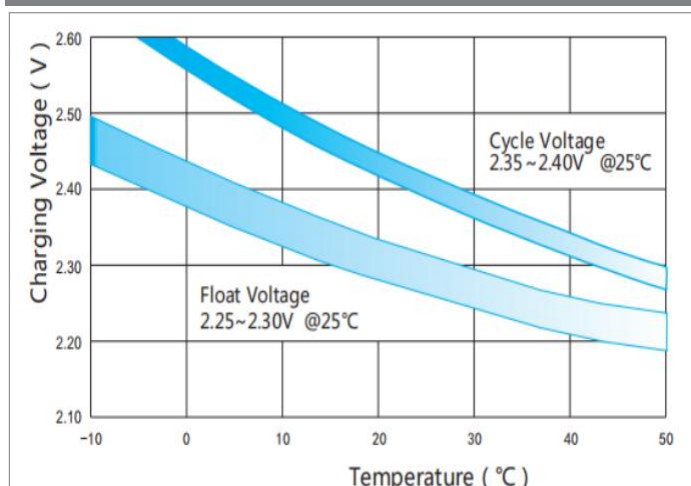
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Temperature vs Charging Voltage



Cycle Life on D.O.D (25°C)

