

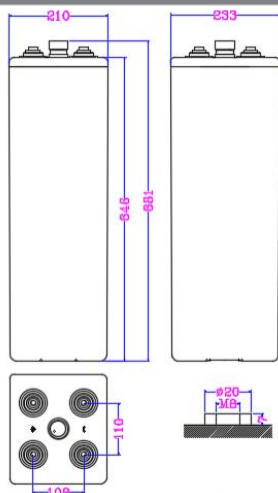
Tubular Gel - OPZV Series



OPzV1000 (2V1000Ah)



Layout



Specifications

Nominal Voltage	2 V
Nominal Capacity(C10)	1000Ah(1.8V/cell@25°C)
Dimensions	233*210*646/681(mm)
Approx .Weight	77.3kg ±3%
Internal Resistance	Approx.0.50mΩ@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	200.0A @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	1270	1089	811	566	361	268	180	124	104	54.8
1.65V	1200	1014	764	557	355	266	179	123	103	54.3
1.70V	1119	962	735	543	349	260	176	122	102	54.0
1.75V	995	880	695	520	341	255	173	121	101	53.2
1.80V	842	787	650	500	329	250	170	118	100	52.5
1.85V	685	649	558	446	300	230	157	110	93.5	49.0

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

Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	2135	1838	1423	1061	685	514	349	244	206	108
1.65V	2082	1801	1404	1049	679	511	347	243	205	107
1.70V	1974	1731	1363	1029	667	502	344	241	203	106
1.75V	1790	1609	1300	995	653	494	338	238	201	105
1.80V	1540	1458	1231	964	639	486	332	235	198	104
1.85V	1275	1222	1067	861	584	448	310	220	186	98.0



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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

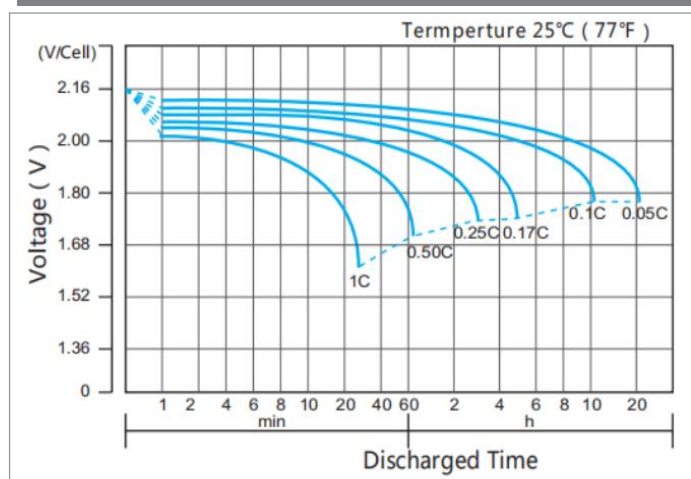
Applications

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

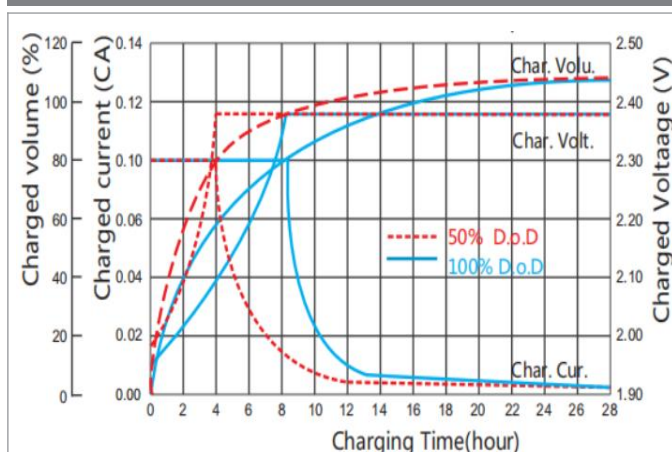
Standards

- 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

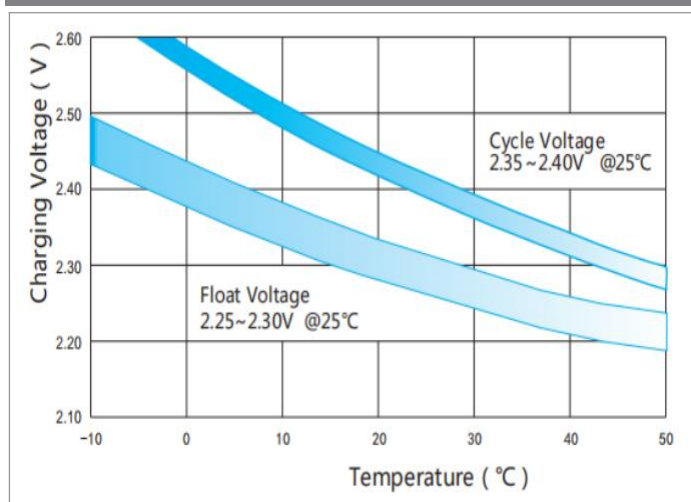
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Temperature vs Charging Voltage



Cycle Life on D.O.D (25°C)

