

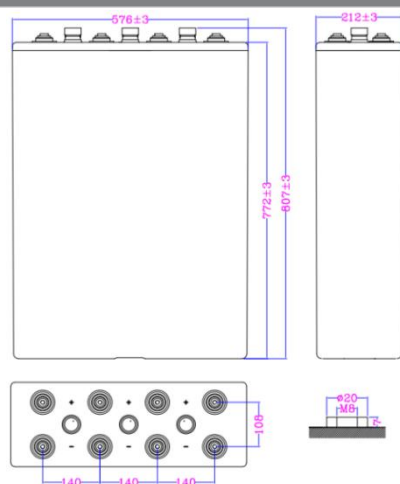
Tubular Gel - OPZV Series



OPzV3000 (2V3000Ah)



Layout



Specifications

Nominal Voltage	2 V
Nominal Capacity(C10)	3000Ah(1.8V/cell@25°C)
Dimensions	576*212*772/807(mm)
Approx .Weight	224.3kg ±3%
Internal Resistance	Approx.0.35mΩ@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	600.0A @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	3391	3005	2362	1698	1084	807	542	374	314	165
1.65V	3080	2704	2139	1672	1066	798	537	372	311	163
1.70V	2867	2562	2057	1629	1049	783	528	368	309	162
1.75V	2554	2348	1945	1561	1023	768	521	362	305	160
1.80V	2159	2098	1823	1501	989	751	510	357	300	158
1.85V	1755	1732	1566	1339	903	690	474	333	281	148

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

Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	5475	4841	3985	3182	2055	1543	1050	734	619	325
1.65V	5335	4916	3927	3148	2038	1534	1041	731	616	323
1.70V	5058	4727	3815	3088	2004	1509	1033	724	610	320
1.75V	4588	4393	3639	2986	1961	1483	1016	716	604	320
1.80V	3947	3820	3450	2892	1918	1457	999	706	596	313
1.85V	3266	3335	2989	2585	1754	1347	930	660	559	293



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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

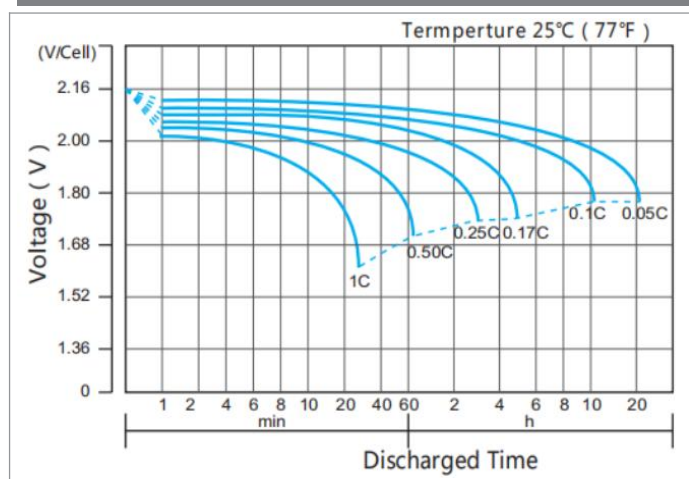
Applications

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

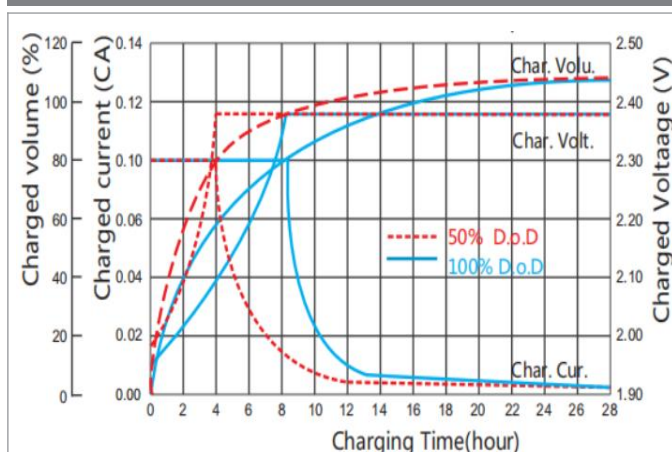
Standards

- 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

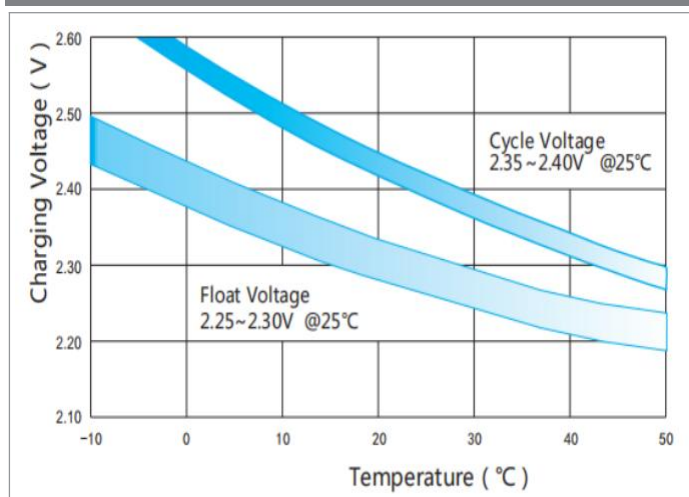
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Temperature vs Charging Voltage



Cycle Life on D.O.D (25°C)

