

VRLA Battery Specification

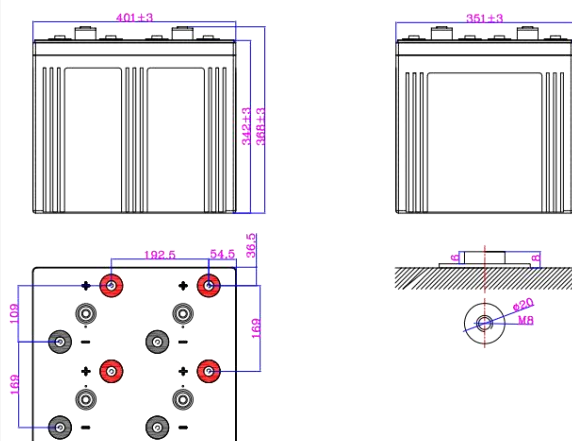
--2V Series



GFM-1500 (2V1500Ah)



Layout



Specifications

Nominal Voltage	2 V
Nominal Capacity(C10)	1500Ah(1.8V/cell@25°C)
Dimensions	401*351*342/368(mm)
Approx .Weight	104.2kg ±3%
Internal Resistance	Approx.0.45mΩ@25°C
Terminal	Φ20* M8
Operating Temperature Range	Discharge: -20°C ~ 50°C (-4 ~ 104°F)
	Charge: -10°C ~ 40°C (-4 ~ 104°F)
	Storage: -20°C ~ 55°C (-4 ~ 122°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)
Max. Charging Current	300.0A@25°C
Charging voltage(25°C)	Float: 2.25V±0.02V; 25°C
	Temp.Coefficient: ± 3mV/cell·°C
	Equalization: 2.40V±0.01V;
	Temp.Coefficient: ± 4mV/cell·°C
	Cycle: 2.40V±0.01V; 25°C
Effect of temperature to rated Capacity(C10)	Temp.Coefficient: ± -5mV/cell·°C
	40°C (104°F) 105%
	25°C (77°F) 100%
Self Discharge	0°C (32°F) 86%
	≤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	4h	5h	8h	10h	20h
1.60V	2475	2025	1350	900	525	387	300	253	174	156	81.8
1.70V	2302	1904	1283	846	501	375	293	248	171	152	79.8
1.75V	2203	1839	1251	825	489	366	288	245	169	151	79.3
1.80V	2079	1742	1206	795	477	357	284	231	164	150	78.8
1.85V	1955	1600	1148	750	465	339	275	227	160	138	72.5

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	4352	3520	2545	1671	1020	750	585	480	330	310	164
1.70V	3847	3139	2287	1521	1001	720	570	465	326	302	160
1.75V	3594	2945	2154	1475	980	705	555	459	321	301	159
1.80V	3342	2749	2019	1362	930	690	543	450	315	299	158
1.85V	3141	2529	1918	1294	901	664	533	447	302	275	145



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General Features

- Designed lifespan of 15 years (25°C)
- ABS Casing
- High oxygen recombination efficiency
- Fully sealed and maintenance - free
- No flowing acid
- Low internal resistance and high power output
- Flexible installation in any direction

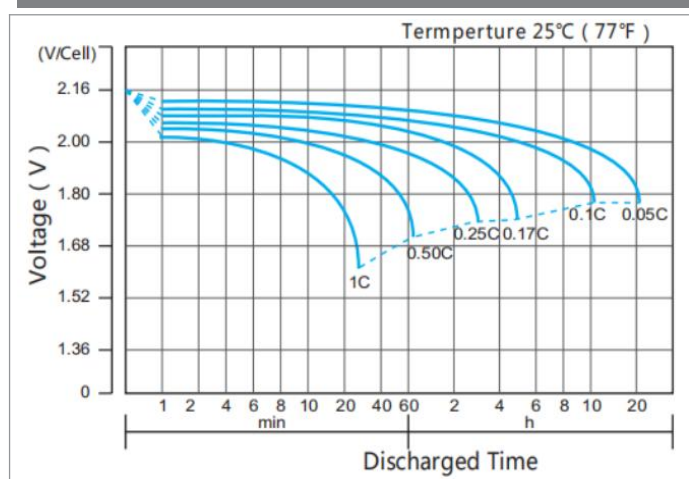
Applications

- UPS backup power systems
- Telecommunications systems
- Power systems such as power plants and substations
- Solar and wind energy storage and power supply systems
- Marine shipboard equipment

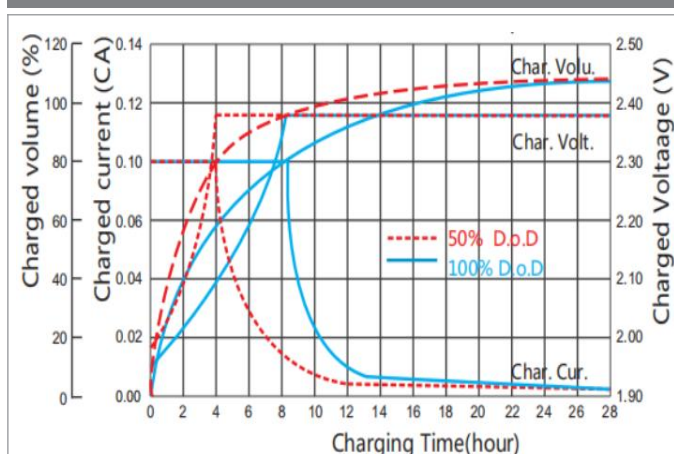
Standards

- Compliant with IEC60896, IEC61427, GB/T19638, YD/T1360-2015, YD/T799, DL/T637
- Certified for TLC, CE, RoHS and Reach compliance
- The company Aokly is certified under TS16949, OHSAS18001, SA8000, ISO9001, ISO14001, ISO45001 and ISO50001 management systems

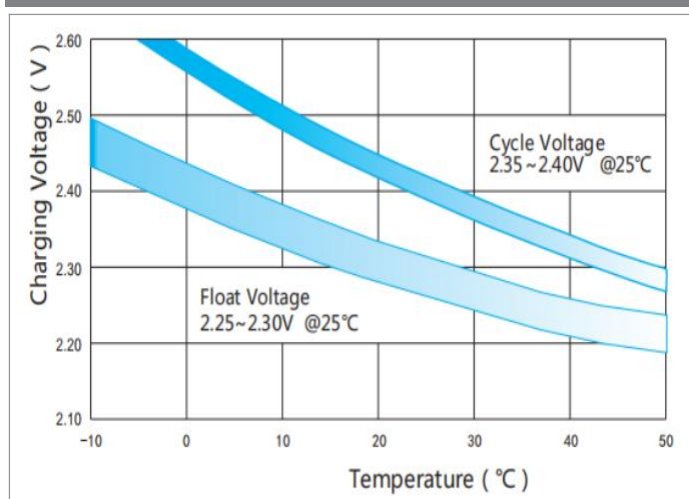
Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Temperature vs Charging Voltage



Cycle Life on D.O.D (25°C)

