

VRLA Battery Specification

---12V Series



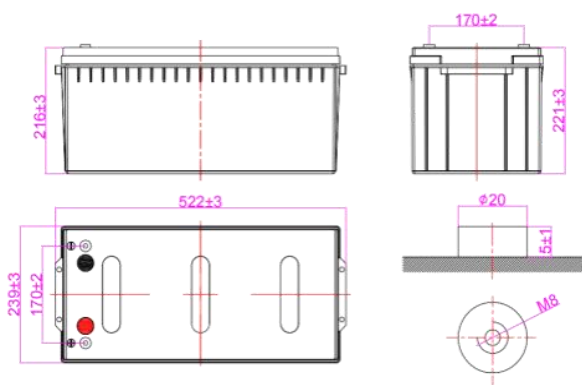
6-GFM-200 (12V200Ah)



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	200Ah(1.8V/cell@25°C)
Dimensions	522*239*216/221(mm)
Approx .Weight	58.5kg ±3%
Internal Resistance	Approx.2.5mΩ@25°C
Terminal	Φ20* M8
Operating Temperature Range	Discharge: -20°C ~ 55°C (-4 ~ 104°F)
	Charge: 0°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	50.0A @25°C
Charging voltage(25°C)	Float: 2 .25V ~ 2 .30V/cell
	Temp.Coefficient: -3mV/°C
	Equalization: 2 .40V ~ 2 .45V/cell
	Temp.Coefficient: -4mV/°C
	Cycle: 2 .40V~2 .45V/cell
Effect of temperature to rated Capacity(C10)	Temp.Coefficient: -5mV/°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)

Layout



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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	529	436	346	238	123	85.3	59.6	45.8	37.4	25.1	21.2	11.0
10.20V	468	397	327	225	118	82.0	57.3	44.0	36.0	24.3	20.6	10.8
10.50V	440	373	294	216	115	78.7	55.0	42.2	34.5	24.0	20.3	10.6
10.80V	407	345	273	202	112	75.4	52.7	40.5	33.1	23.5	20.0	10.5
11.10V	369	313	252	182	105	68.1	48.1	37.4	31.0	22.0	18.8	9.98

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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	5821	4520	3790	2665	1402	964	673	517	428	295	249	130
10.20V	5414	4367	3580	2587	1324	943	659	506	418	286	242	127
10.50V	5181	4177	3138	2445	1285	913	638	489	409	283	240	126
10.80V	4890	3933	2905	2353	1247	882	616	474	400	277	236	125
11.10V	4424	3630	2685	2147	1175	803	567	441	373	261	223	119



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General Features

- 10 years design life
- Very low Self-discharge rate
- Wide range of operating temperature
- 100% Sealed and maintenance free
- Good conductivity
- Excellent charge acceptance
- Safe and reliable explosion-proof regulating valve

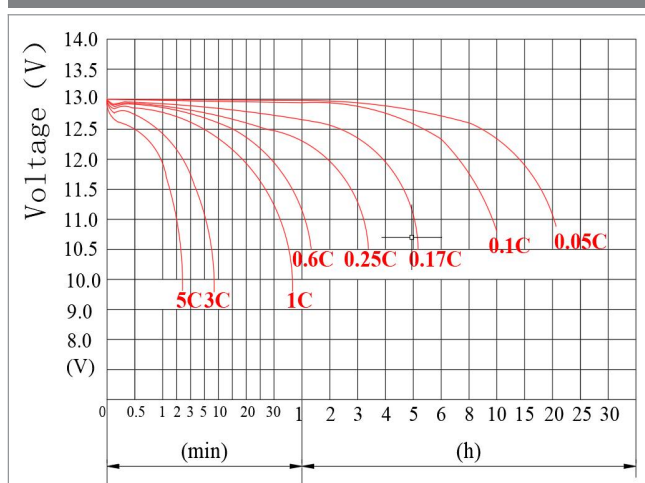
Applications

- Telecommunications
- UPS、Data Center
- Energy Storage, Electric Systems
- Emergency Lighting, Security
- Medical, Electronic Equipment
- Motive Power

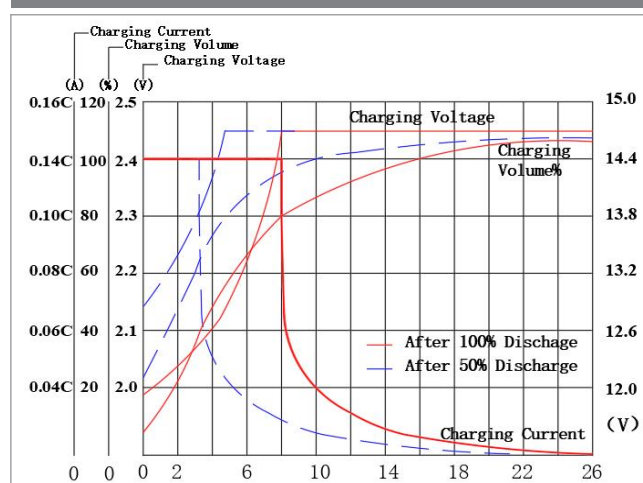
Standards

- 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

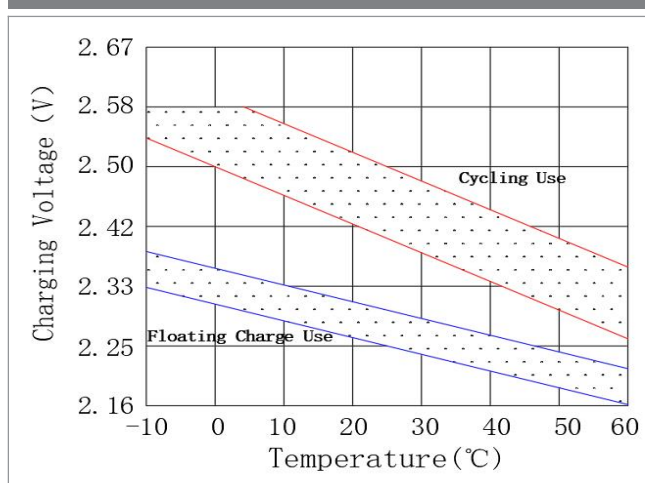
Discharge Characteristics(25°C)



Charging Characteristics(25°C)



Rel. The between Temp. and Charging Volt.



Capacity Retention Characteristics

