

VRLA Deepcycle Battery

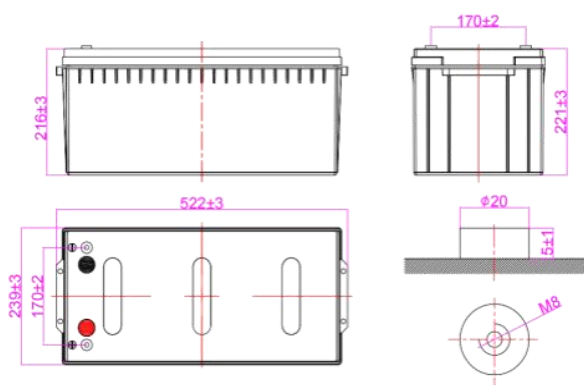
12V Series



6-GFM-200G (12V200Ah)



Layout



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)

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	414	329	226	118	81.9	57.8	44.9	36.7	24.6	21.2	11.0
10.20V	377	311	214	113	78.7	55.6	43.1	35.3	23.8	20.6	10.8
10.50V	354	279	205	110	75.6	53.4	41.4	33.8	23.5	20.3	10.6
10.80V	328	259	192	108	72.4	51.1	39.7	32.4	23.0	20.0	10.5
11.10V	297	239	173	101	65.4	46.7	36.7	30.4	21.6	18.8	9.98

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	4349	3601	2532	1346	935	656	507	422	292	249	130
10.20V	4149	3401	2458	1271	915	643	496	412	283	242	127
10.50V	3968	2981	2323	1234	886	622	479	403	280	240	126
10.80V	3736	2760	2235	1197	856	601	465	394	274	236	125
11.10V	3449	2551	2040	1128	779	553	432	367	258	223	119



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General Features

- 12 years design life(25℃)
- Excellent consistency
- High reliability
- Low self -dischar
- Good recovery from deep discharge

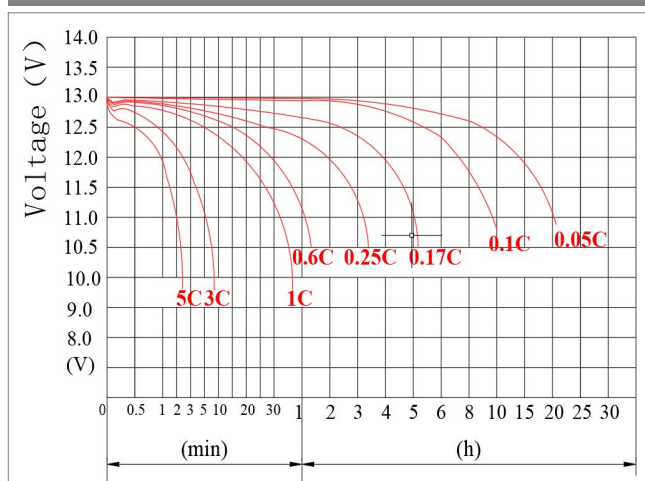
Applications

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

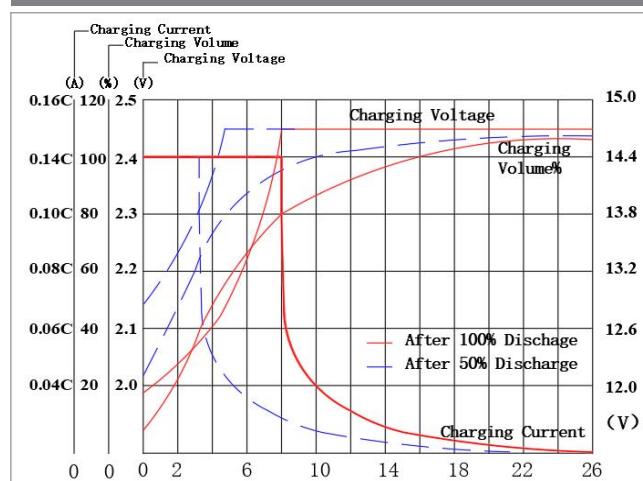
Standards

- 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

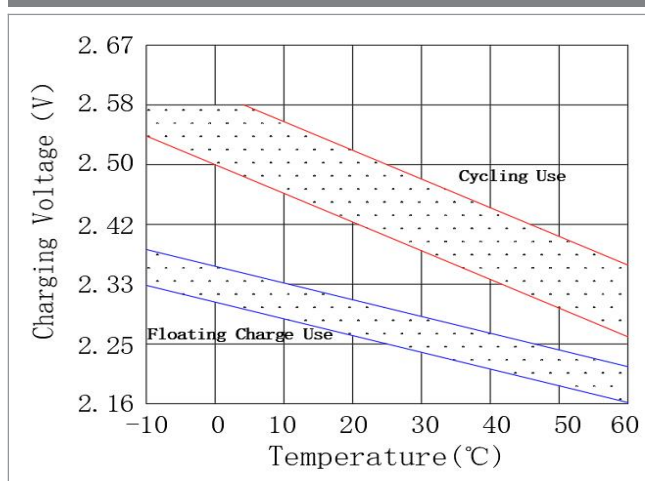
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

