

VRLA Deepcycle Battery

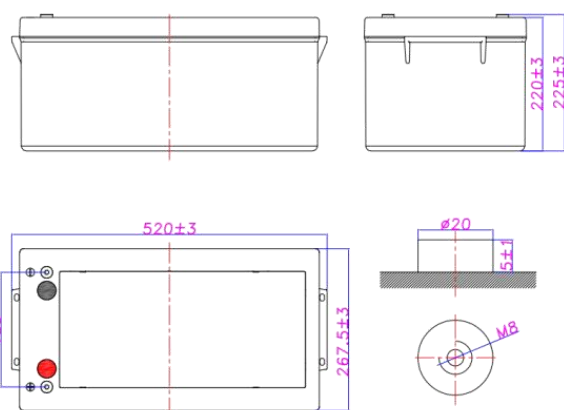
12V Series



6-GFM-250G (12V250Ah)



Layout



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	250Ah(1.8V/cell@25°C)
Dimensions	520*267.5*220/225(mm)
Approx .Weight	70kg ±3%
Internal Resistance	Approx.2.4mΩ@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	62.5A @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	433	371	248	143	85.9	63.8	53.4	46.2	30.9	27.1	14.1
10.20V	413	356	237	136	81.6	62.1	51.5	44.2	29.7	25.7	13.5
10.50V	370	338	221	131	79.1	60.2	49.7	43.2	29.2	25.4	13.3
10.80V	348	317	204	124	77.5	59.0	49.0	42.1	28.8	25.0	13.2
11.10V	326	285	182	111	71.8	54.6	45.6	39.2	27.0	23.5	12.8

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	4743	4128	2606	1613	971	738	615	531	361	315	166
10.20V	4523	3899	2461	1524	935	697	581	502	340	298	157
10.50V	4044	3701	2397	1429	907	677	561	490	335	294	155
10.80V	3806	3472	2218	1383	887	663	553	478	330	289	154
11.10V	3566	3119	1996	1244	823	613	515	445	310	272	145



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General Features

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

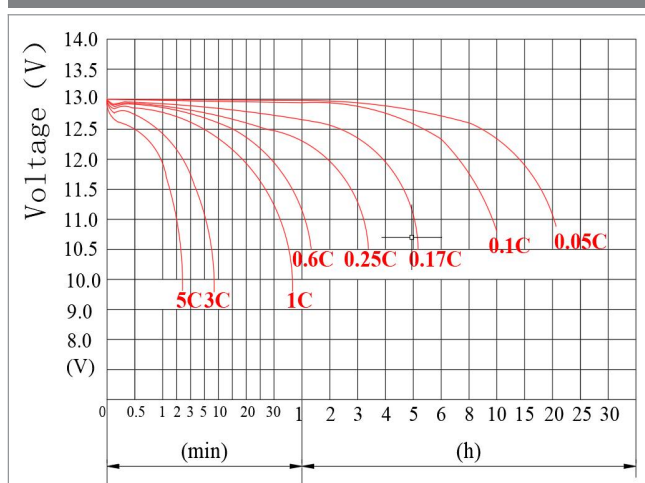
Applications

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

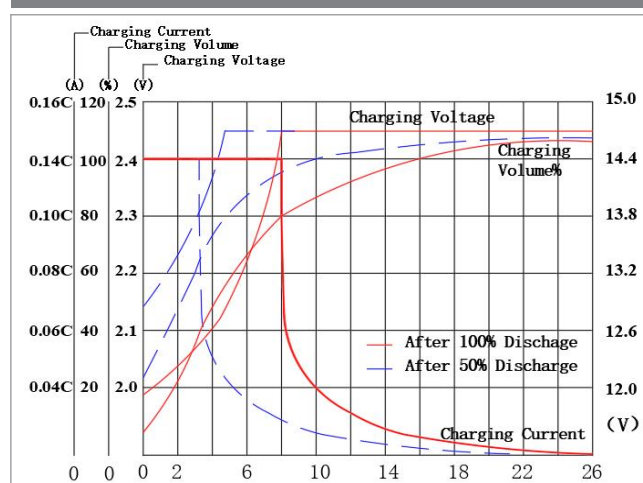
Standards

- 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

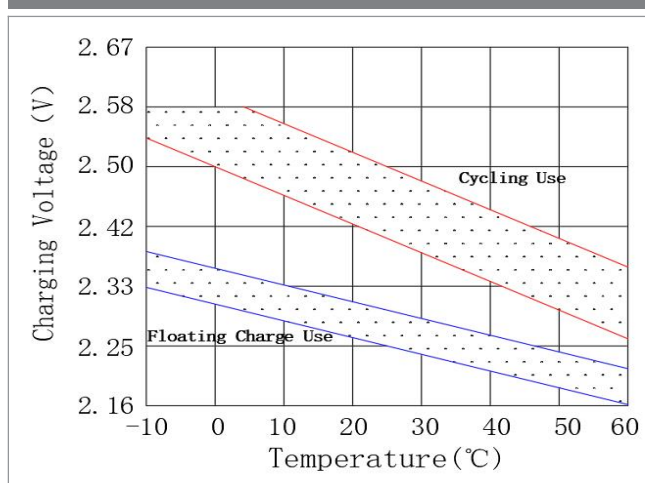
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

