

VRLA Deepcycle Battery

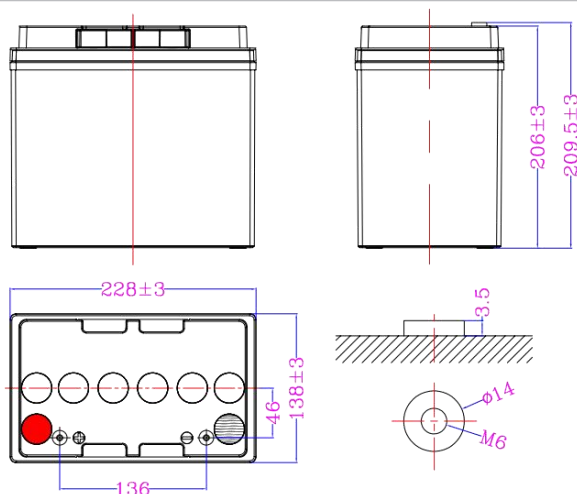
12V Series



6-GFM-55G (12V55Ah)



Layout



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	55Ah(1.8V/cell@25°C)
Dimensions	228*138*206/209.5(mm)
Approx .Weight	16.0kg ±3%
Internal Resistance	Approx.7.5mΩ@25°C
Terminal	Φ14* M6
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	13.75A @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	113	95.5	62.6	37.6	22.7	16.0	12.3	10.1	6.72	5.72	3.02
10.20V	103	88.9	59.0	36.2	21.8	15.4	11.9	9.75	6.59	5.66	2.95
10.50V	96.0	84.4	56.1	34.7	21.0	14.8	11.4	9.36	6.46	5.61	2.91
10.80V	89.3	79.1	52.5	32.9	20.1	14.1	10.9	8.96	6.20	5.50	2.88
11.10V	81.0	71.1	47.2	29.0	17.7	12.5	9.80	8.08	5.94	5.28	2.74

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	1188	1051	701	425	256	180	139	116	80.4	68.5	35.6
10.20V	1129	1018	679	416	251	177	136	114	77.7	66.5	34.8
10.50V	1074	971	648	402	243	174	132	112	76.9	65.8	34.5
10.80V	1018	913	612	385	235	166	127	109	75.4	64.9	34.3
11.10V	941	832	557	342	209	147	118	101	70.9	61.3	32.7



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General Features

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

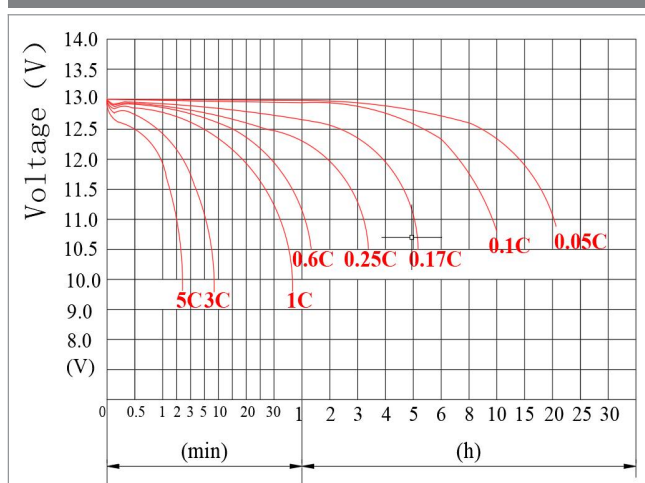
Applications

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

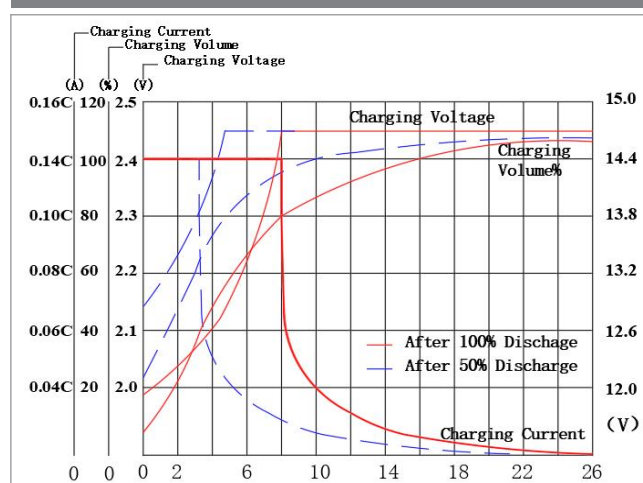
Standards

- 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

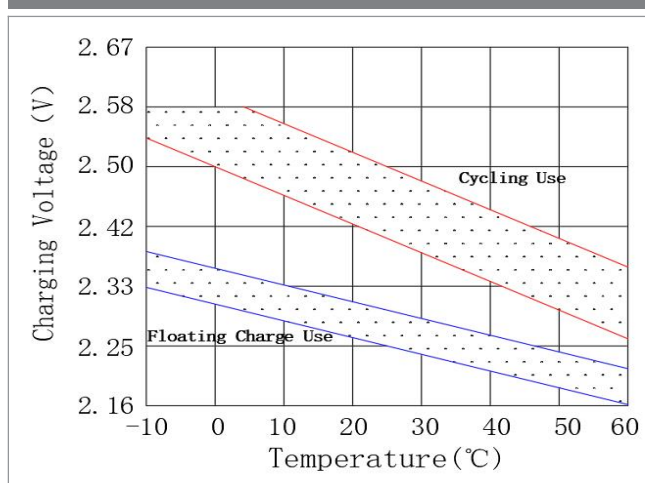
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

