

VRLA Deepcycle Battery

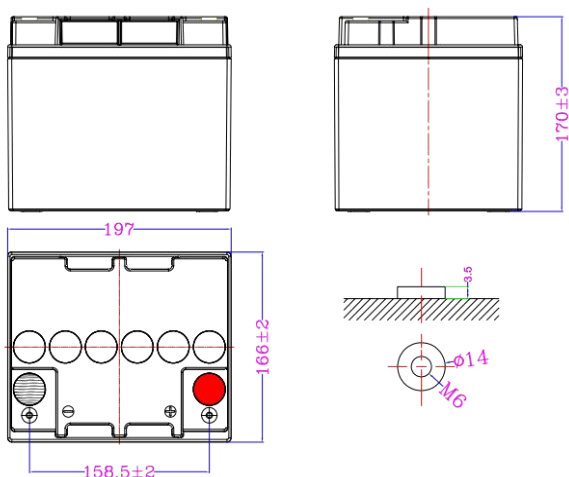
12V Series



6-GFM-38G (12V38Ah)



Layout



Specifications

Nominal Voltage	12 V	
Nominal Capacity(C10)	38Ah(1.8V/cell@25°C)	
Dimensions	197*166*170/170(mm)	
Approx .Weight	12.1kg ±3%	
Internal Resistance	Approx.10.0mΩ@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	9.5A @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	
	Temp.Coefficient: -5mV/°C	
Effect of temperature to rated Capacity(C10)	40°C (104°F)	105%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤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	82.4	69.7	45.4	27.3	15.7	11.0	8.52	7.00	4.64	4.03	2.20
10.20V	75.0	64.6	42.8	26.2	15.1	10.6	8.19	6.74	4.55	3.91	2.15
10.50V	70.5	61.3	41.1	25.5	14.7	10.4	8.04	6.60	4.46	3.86	2.12
10.80V	65.2	57.5	38.5	23.8	13.9	9.75	7.54	6.20	4.20	3.80	2.10
11.10V	59.2	51.6	34.3	21.0	12.2	8.68	6.80	5.59	4.02	3.57	1.99

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	865	767	509	309	178	125	96.2	80.2	53.2	46.1	25.5
10.20V	825	739	492	302	174	122	94.2	77.8	52.6	45.2	25.4
10.50V	789	705	474	295	171	119	93.2	77.2	52.3	44.3	25.1
10.80V	743	664	448	279	162	114	88.2	73.1	49.5	43.4	25.0
11.10V	687	605	404	248	145	102	80.3	66.3	47.6	42.3	23.9



VRLA Deepcycle Battery

12V Series



6-GFM-38G (12V38Ah)

General Features

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

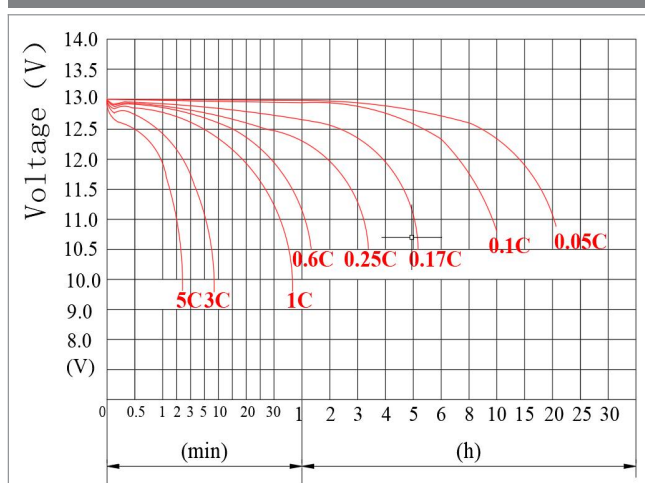
Applications

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

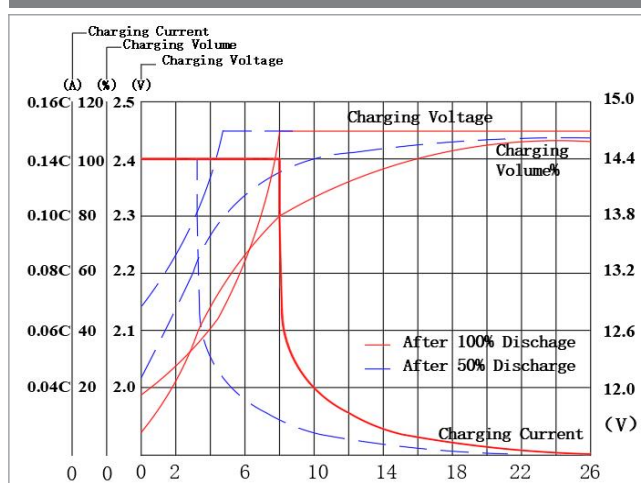
Standards

- 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

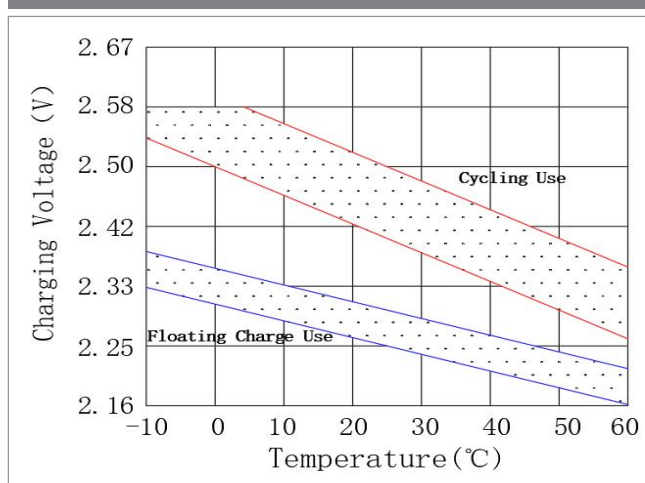
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

