

VRLA Deepcycle Battery

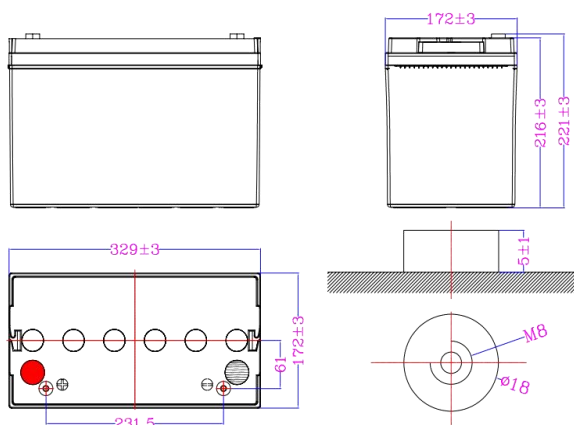
12V Series



6-GFM-100G (12V100Ah)



Layout



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	100Ah(1.8V/cell@25°C)
Dimensions	329*172*216/221(mm)
Approx .Weight	29.3kg ±3%
Internal Resistance	Approx.5.5mΩ@25°C
Terminal	Φ18* 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	25.0A @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	212	180	117	70.3	41.3	29.1	22.4	18.2	12.4	10.6	5.56
10.20V	193	166	110	67.6	39.8	28.0	21.6	17.5	12.0	10.3	5.43
10.50V	181	158	106	64.8	39.0	27.4	21.2	17.1	11.8	10.2	5.35
10.80V	168	148	98.9	61.5	36.6	25.7	19.8	16.7	11.6	10.0	5.30
11.10V	152	133	88.3	54.0	32.6	23.2	18.1	15.6	10.8	9.40	5.03

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2224	1975	1311	794	467	329	254	206	146	124	65.6
10.20V	2121	1905	1269	777	458	322	248	202	141	121	65.1
10.50V	2032	1813	1219	753	452	318	245	199	139	120	63.4
10.80V	1917	1709	1152	617	428	301	231	196	137	118	63.1
11.10V	1763	1553	1042	560	384	274	216	184	128	111	60.1



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General Features

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

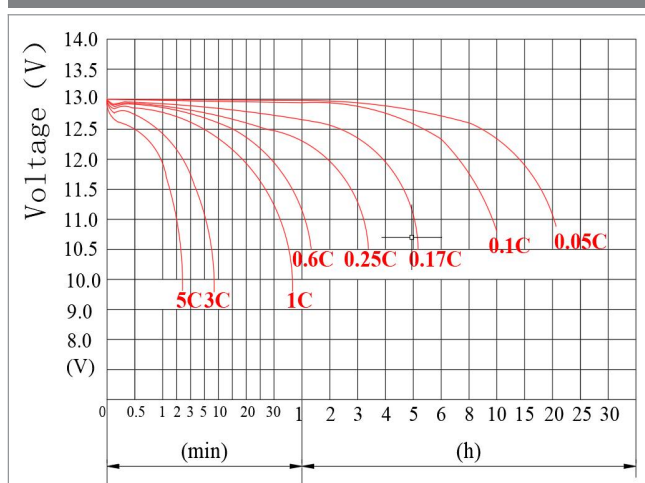
Applications

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

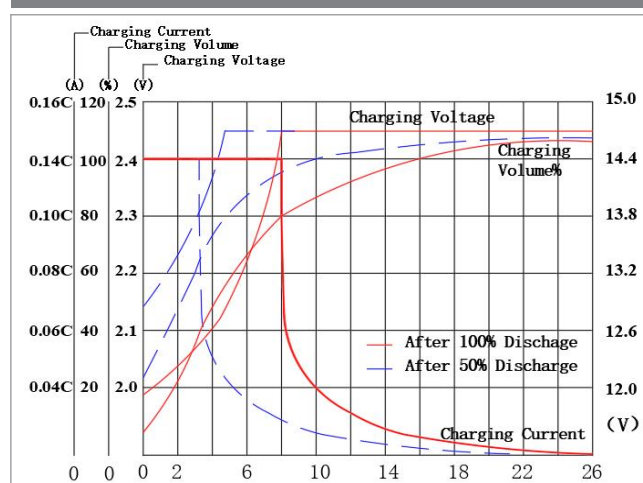
Standards

- 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

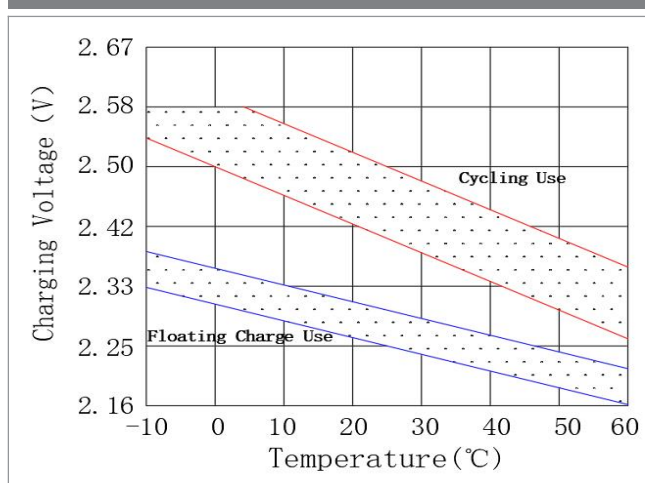
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

