

VRLA Deepcycle Battery

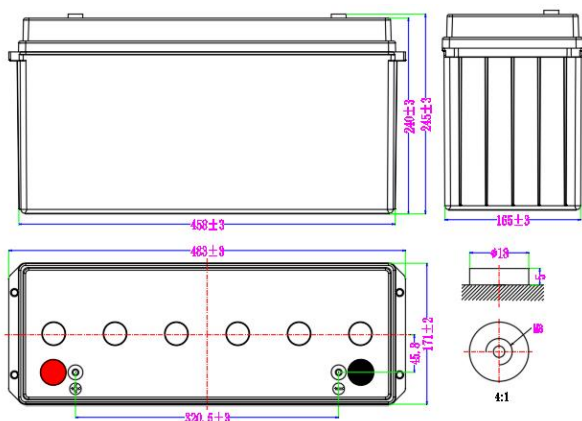
12V Series



6-GFM-150G (12V150Ah)



Layout



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	150Ah(1.8V/cell@25°C)
Dimensions	483*171*240/245(mm)
Approx .Weight	42.2kg ±3%
Internal Resistance	Approx.3.5mΩ@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	37.5A @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	341	267	175	105	62.1	43.6	33.6	27.9	18.6	15.9	8.40
10.20V	327	248	165	101	59.7	41.9	32.3	26.9	18.0	15.4	8.20
10.50V	294	236	158	97.5	57.2	40.3	31.1	26.2	17.7	15.2	8.08
10.80V	276	221	149	92.3	54.9	38.6	29.8	25.6	17.4	15.0	8.00
11.10V	257	199	132	83.1	49.5	35.2	27.5	23.8	16.2	14.1	7.60

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	3771	2941	1956	1189	701	492	379	315	219	187	99.1
10.20V	3595	2843	1899	1165	686	482	371	310	212	181	96.8
10.50V	3436	2712	1830	1131	663	467	361	303	209	179	95.7
10.80V	3239	2548	1734	1079	642	451	348	299	205	177	95.2
11.10V	2997	2324	1563	980	584	415	324	281	192	167	90.8



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General Features

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

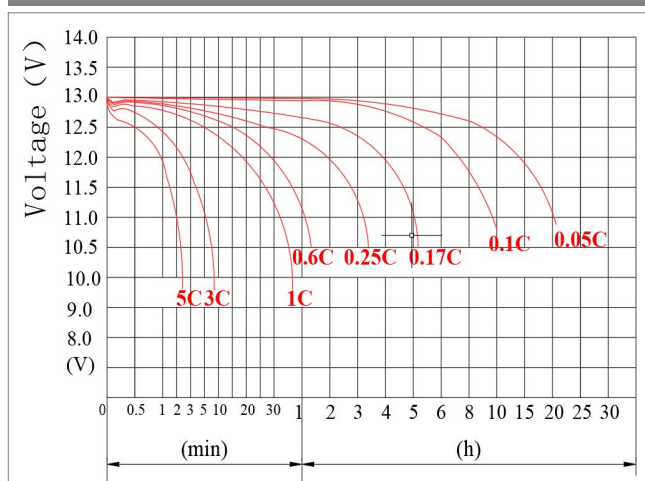
Applications

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

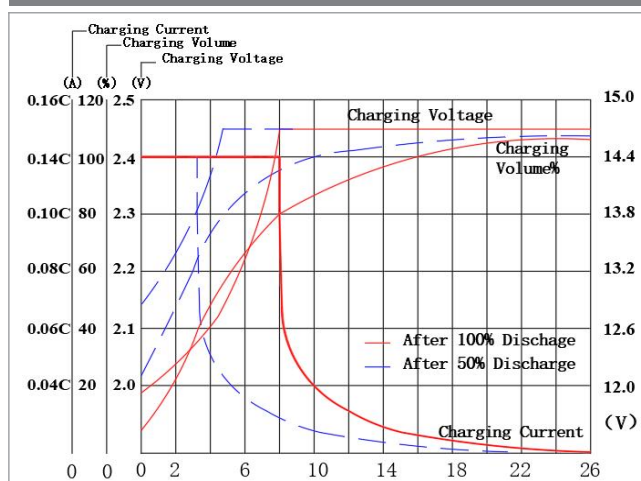
Standards

- 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

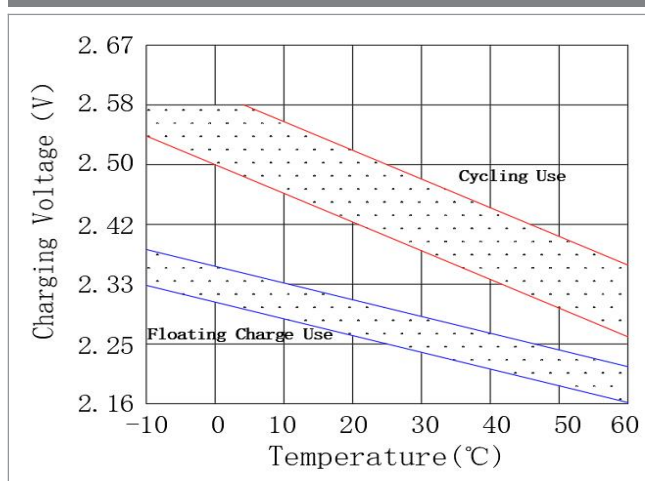
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

