

VRLA Battery Specification

---12V Series



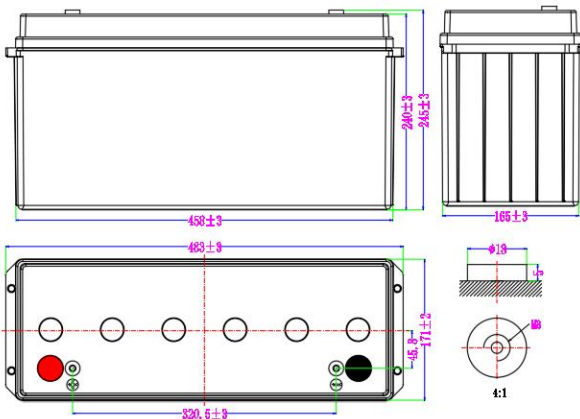
6-GFM-150 (12V150Ah)



Specifications

Nominal Voltage	12 V
Nominal Capacity(C10)	150Ah(1.8V/cell@25°C)
Dimensions	483*171*245(mm)
Approx .Weight	41.8kg ±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)	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)

Layout



Constant Current Discharge*(Amperes @25°C/77° F)

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	439	359	280	182	109	64.0	44.7	34.3	28.3	18.8	15.9	8.40
10.20V	406	344	260	172	105	61.5	43.0	33.0	27.3	18.2	15.4	8.20
10.50V	381	309	247	165	101	59.0	41.3	31.7	26.6	17.9	15.2	8.08
10.80V	353	290	231	155	95.6	56.6	39.6	30.4	26.0	17.6	15.0	8.00
11.10V	321	271	208	138	86.1	51.0	36.1	28.1	24.2	16.4	14.1	7.60

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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	4812	3869	3010	2038	1232	723	505	387	320	221	187	99.1
10.20V	4419	3684	2977	1978	1207	707	494	379	315	214	181	96.8
10.50V	4149	3517	2840	1906	1172	684	479	368	308	211	179	95.7
10.80V	3841	3409	2668	1806	1118	662	463	355	304	207	177	95.2
11.10V	3494	3155	2433	1628	1016	602	426	331	285	194	167	90.8



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General Features

- 10 years design life
- Very low Self-discharge rate
- Wide range of operating temperature
- 100% Sealed and maintenance free
- Good conductivity
- Excellent charge acceptance
- Safe and reliable explosion-proof regulating valve

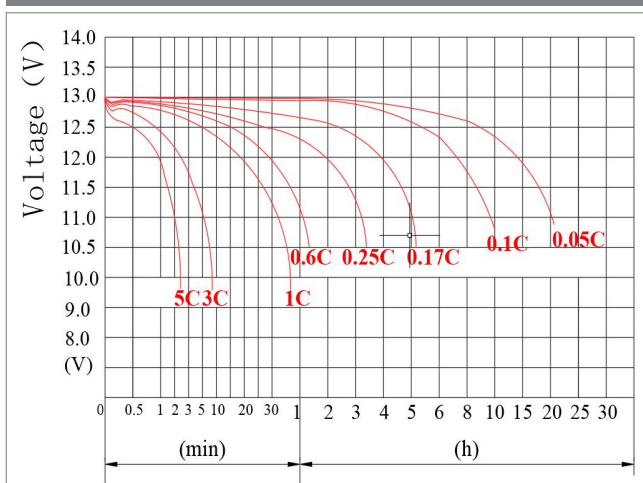
Applications

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

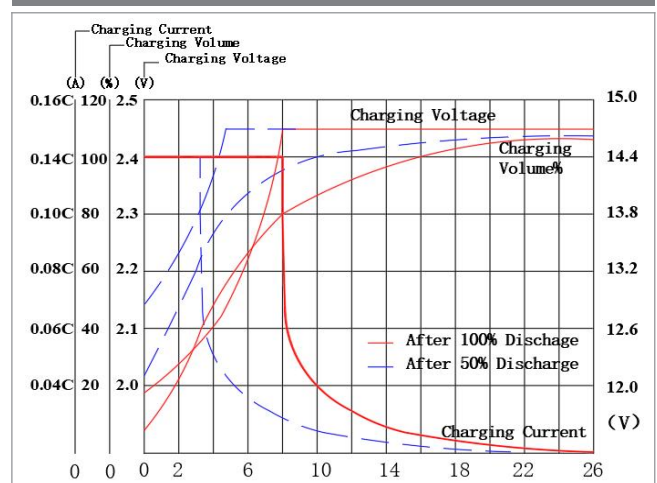
Standards

- 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

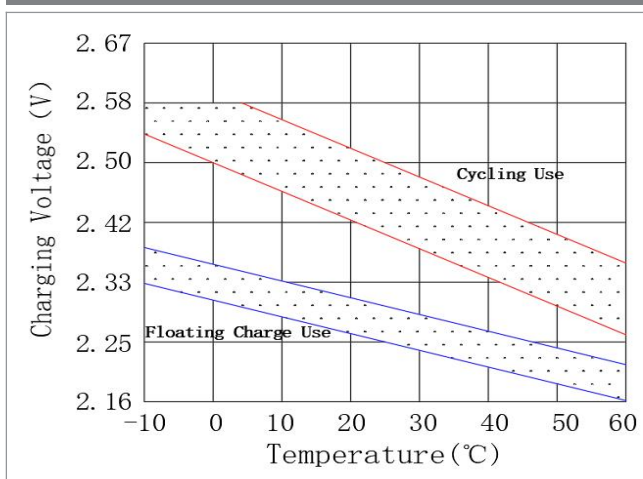
Discharge Characteristics(25°C)



Charging Characteristics(25°C)



Rel. The between Temp. and Charging Volt.



Capacity Retention Characteristics

