

VRLA Battery Specification

---12V Series



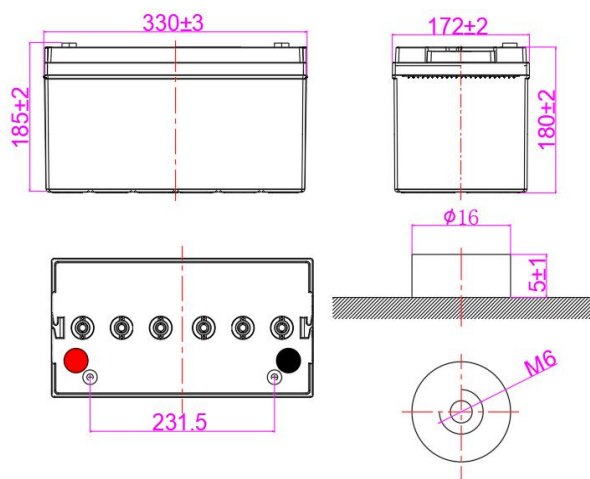
6-GFM-65 (12V65Ah)



Specifications

Nominal Voltage	12 V	
Nominal Capacity(C10)	65Ah(1.8V/cell@25°C)	
Dimensions	330*172*180/185(mm)	
Approx .Weight	20.1kg ±3%	
Internal Resistance	Approx.6.7mΩ@25°C	
Terminal	Φ16* 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	16.25A @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)	

Layout



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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	179	140	118	77.5	46.5	26.8	18.8	14.6	12.5	8.09	6.89	3.67
10.20V	155	127	110	73.1	44.8	25.8	18.1	14.0	11.5	7.83	6.69	3.59
10.50V	146	120	104	70.1	42.9	24.7	17.4	13.4	11.0	7.71	6.60	3.53
10.80V	134	110	97.4	65.8	40.7	23.8	16.7	12.8	10.6	7.56	6.50	3.50
11.10V	123	101	87.9	58.5	35.8	20.9	14.8	11.7	9.6	7.07	6.11	3.32

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

Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2065	1466	1303	868	526	302	213	165	143	120	78.9	43.3
10.20V	1687	1400	1258	840	515	297	209	161	133	92.0	77.3	42.4
10.50V	1596	1340	1197	807	498	287	201	156	129	91.0	77.2	41.8
10.80V	1460	1256	1125	766	477	277	195	150	125	89.2	76.7	41.6
11.10V	1334	1169	1028	690	423	246	175	137	113	83.8	72.4	39.7



VRLA Battery Specification

---12V Series



6-GFM-65 (12V65Ah)

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

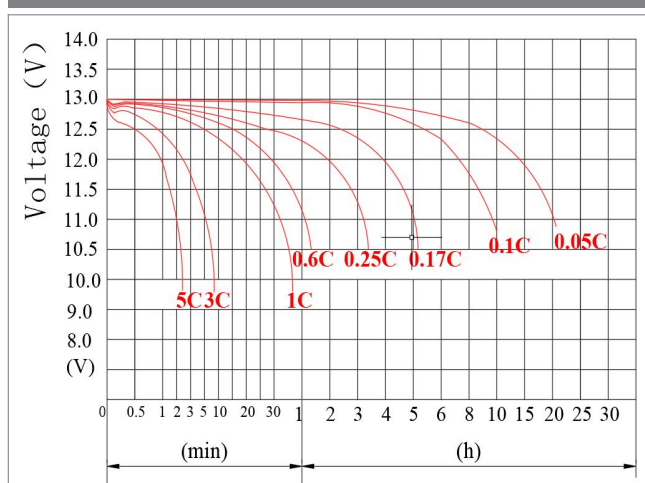
Applications

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

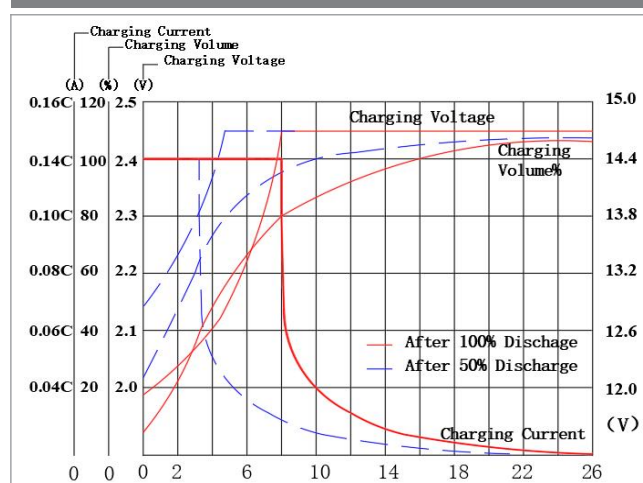
Standards

- 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

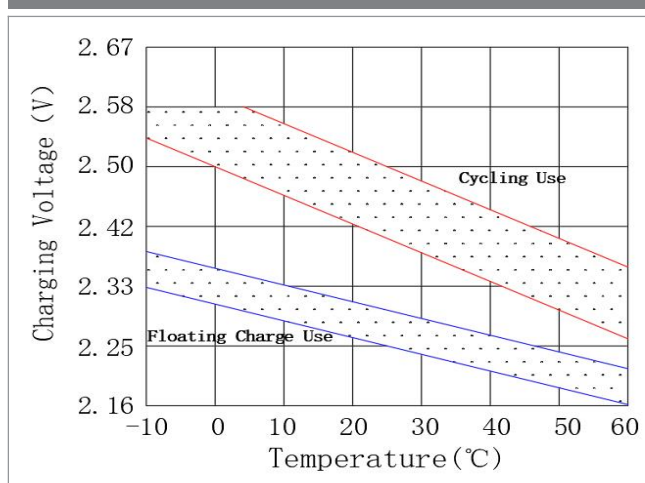
Discharge Characteristics(25°C)



Charging Characteristics(25°C)



Rel. The between Temp. and Charging Volt.



Capacity Retention Characteristics

