

VRLA Battery Specification

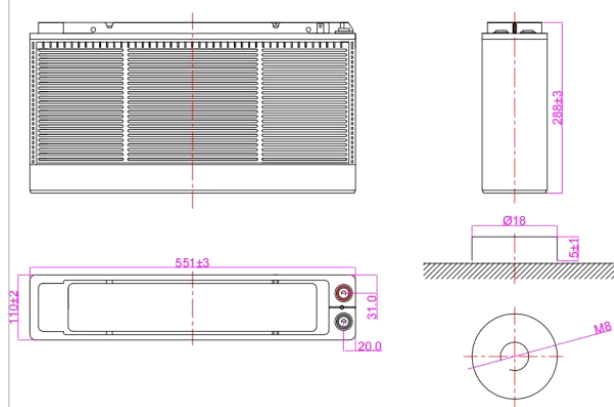
---FT Series



FT12-150 (12V150Ah)



Layout



Specifications

Nominal Voltage	12 V	
Nominal Capacity(C20)	150Ah(1.8V/cell@25℃)	
Dimensions	551*110*288/288(mm)	
Approx .Weight	42.2kg ±3%	
Internal Resistance	Approx.5.5mΩ@25℃	
Terminal	Φ18* M8	
Operating Temperature Range	Discharge: -20℃ ~ 55℃ (-4 ~ 104°F)	
	Charge: 0℃~ 40℃ (-4 ~ 104°F)	
	Storage: -20℃ ~ 55℃ (-4 ~ 122°F)	
Nominal Operating Temperature Range	25±3℃ (77±5°F)	
Max. Charging Current	37.5A @25℃	
Charging voltage(25℃)	Float: 2 .25V ~ 2 .30V/cell	
	Temp.Coefficient: -3mV/℃	
	Equalization: 2 .40V ~ 2 .45V/cell	
	Temp.Coefficient: -4mV/℃	
	Cycle: 2 .40V~2 .45V/cell	
	Temp.Coefficient: -5mV/℃	
Effect of temperature to rated Capacity(C10)	40℃ (104°F)	105%
	25℃ (77°F)	100%
	0℃ (32°F)	86%
Self Discharge	≤3%/month@ 25℃	
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	257	217	144	76.5	46.5	36.1	29.3	24.8	16.4	14.9	8.05
10.20V	246	207	141	73.2	45.6	34.8	28.0	23.8	15.5	14.1	7.60
10.50V	220	181	132	71.3	44.5	34.1	27.3	23.2	15.4	13.9	7.55
10.80V	207	168	122	68.7	43.4	33.4	26.6	20.7	15.0	13.7	7.50
11.10V	194	155	108	64.9	42.3	32.1	25.9	19.8	14.6	13.3	7.40

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

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2851	2400	1655	865	542	414	335	286	188	173	93.6
10.20V	2692	2267	1563	817	512	391	316	270	178	163	88.4
10.50V	2412	1986	1468	797	500	383	308	263	177	161	87.8
10.80V	2267	1840	1352	768	487	375	300	235	172	159	87.3
11.10V	2121	1695	1204	725	475	361	292	225	167	154	86.1



VRLA Battery Specification

---FT Series



FT12-150 (12V150Ah)

General Features

- 10 years design life(25℃)
- Self-discharge rate is extremely
- Wide range of operating temperature
- 100% Sealing and maintenance free
- Good conductivity
- Excellent charge acceptance

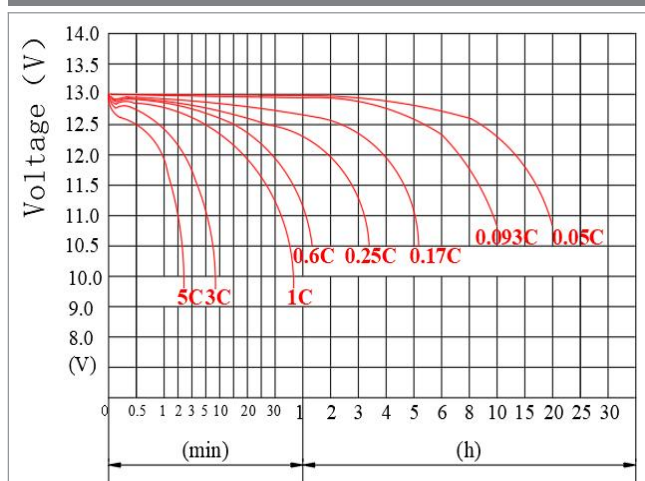
Applications

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

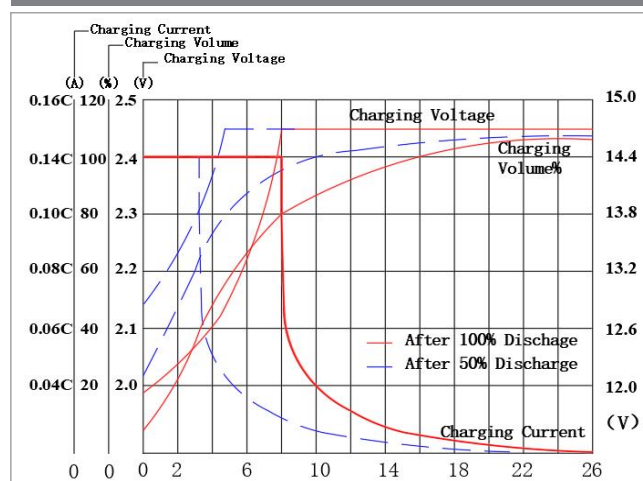
Standards

- 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

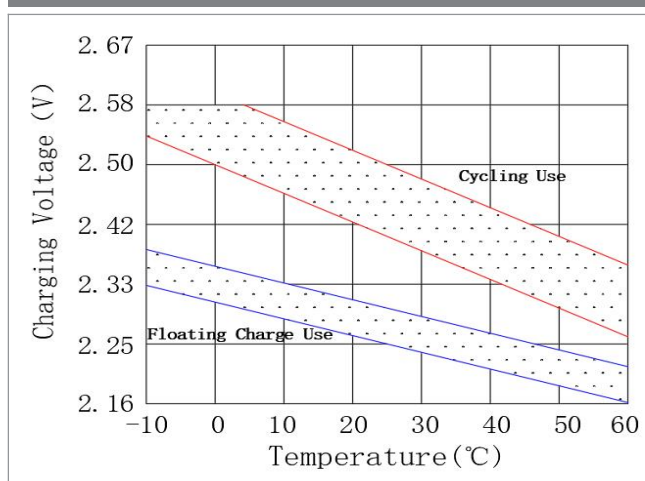
Discharge Characteristics(25℃)



Charging Characteristics(25℃)



Rel.The between Temp. and Charging Volt.



Capacity Retention Characteristics

