

### Advantages

- Long life according to EUROBAT Classification
- High discharge performance
- 99%+ gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

### Application

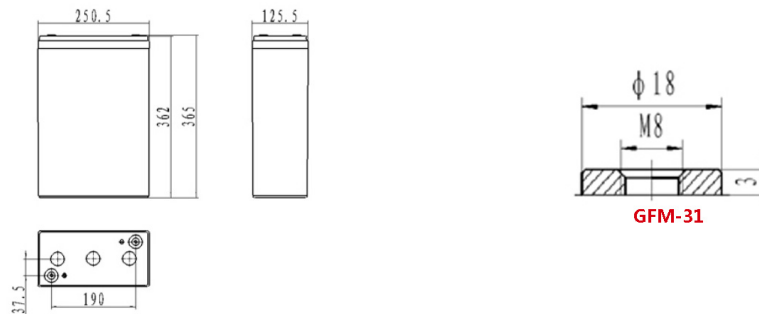
- Telecommunication
- Emergency power
- UPS units
- Electrical Power plants and substation
- Transportation

### Standards

- IEC 60896-21/22:2004
- Eurobat guide
- installation compliant with EN50272-2



### Drawing



### Specification

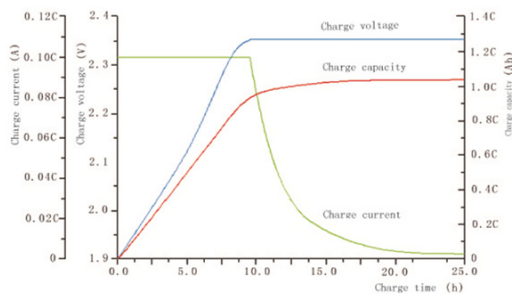
Battery Model	3GFMG-200			
Designed Life(Years)	12			
Capacity(Ah/25°C)	10HR(20A,1.80V)	5HR(36.7A,1.80V)	3HR(51.88A,1.80V)	1HR(136.3A,1.75V)
	200	183.5	155.64	136.3
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	250.5	125.5	362	365
Approx.Weight(Kg)	33.7			
Internal Resistance(mΩ)	1.55			
Max. Discharge Current(A/5Sec.)	1400			
Self Discharge(25°C)	<=1% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.35(-3.5mV/°C),max charge current:40A		2.25(-3.5mV/°C)	

## Discharge Data

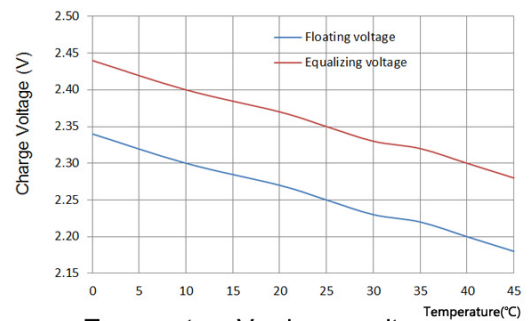
Constant current discharge data(25°C,A)														
Endvoltage (V/cell)	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	690	500.1	381.9	320.1	237.5	190.0	160.7	142	102.0	81	56.4	38.5	25.28	20.63
1.65	649	469.5	362.9	306.3	231.3	187.0	157.7	140	101.0	79	55.24	38.02	25.02	20.46
1.67	610.1	455	355.2	301.6	229.1	183.0	156.8	139.43	100.0	78.26	54.78	37.87	24.95	20.43
1.70	568.7	438.7	346.1	295.6	225.9	180.0	155.2	138.3	99.00	77.2	54.1	37.57	24.78	20.32
1.75	515	408.2	331.6	285	219.6	177.0	152.2	136.3	96.00	75.4	53.05	37.14	24.62	20.16
1.80	485	383.2	316.2	273.9	213.3	174.0	149.4	134.5	93.00	74	51.88	36.7	24.5	20

Constant power discharge data(25°C,W/Cell)														
Endvoltage (V/cell)	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	1180	840	676	555	435	355	301.6	270	195	155	108.6	74	48.5	40.83
1.65	1112	811.1	652.4	542.6	424.6	349	297	267.2	192	153.3	107.3	73.28	47.97	40.23
1.67	1082.2	797.1	641.7	534.4	419.7	347	295.1	266.1	190	152.86	106.91	73.03	47.85	40.09
1.70	1048	780	628.4	524.1	413.2	342	292	264	188	151.8	106.1	72.48	47.53	39.79
1.75	985.9	740.8	604.4	507.8	404.5	335	287.1	260.2	184	150.4	105	71.59	46.83	39.19
1.80	930	703	577.7	487.5	396.3	330	282.8	257	180	149	104	70.5	46.3	38.6

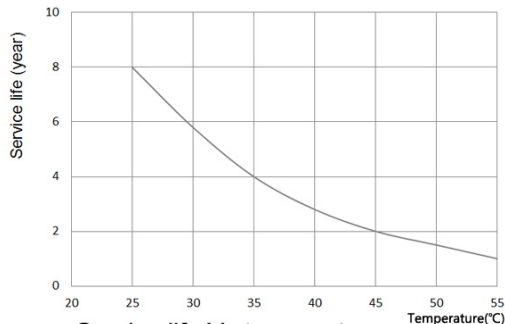
## Performance Curve



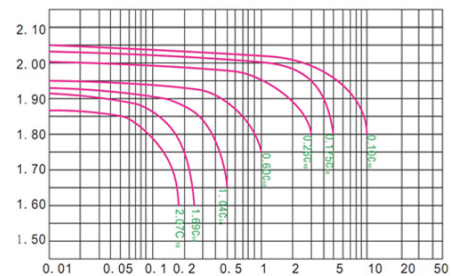
Charge performance



Temperature Vs charge voltage



Service life Vs temperature



Discharge performance

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