

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

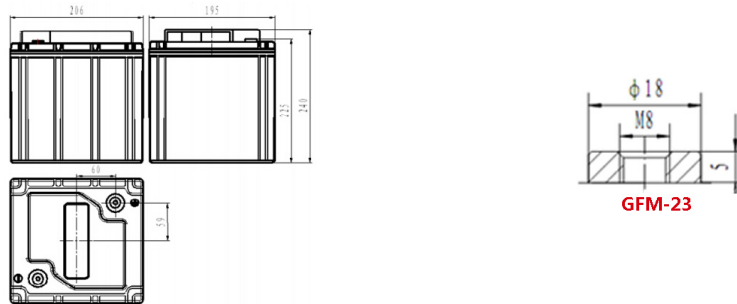
Application

- 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

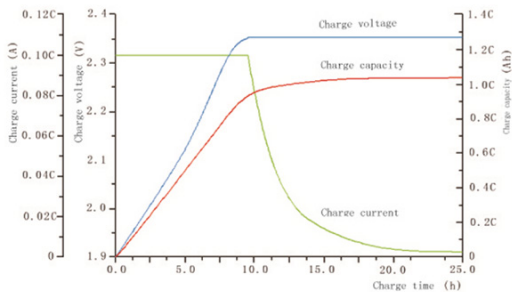
Battery Model	3GFMG-105			
Designed Life(Years)	12			
Capacity(Ah/25°C)	10HR(10.5A,1.80V)	5HR(17.13A,1.80V)	3HR(26.63A,1.80V)	1HR(65.59A,1.75V)
	105	85.65	84.6	71
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	195	206	220	240
Approx.Weight(Kg)	22.4			
Internal Resistance(mΩ)	2.62			
Max. Discharge Current(A/5Sec.)	945			
Self Discharge(25°C)	<=1% per month			
Charge Voltage(V/25°C)	Cycle use		Float use	
	2.35(-3.5mV/°C),max charge current:21A		2.25(-3.5mV/°C)	

Discharge Data

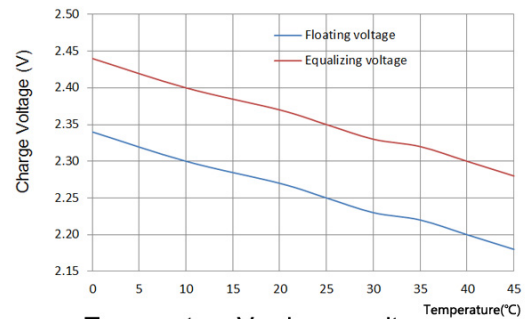
Constant current discharge data(25°C,A)														
Endvoltage (V/cell)	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	5h	8h	10h
1.60	316	254.8	210	171.7	125	105	88	75	56.05	45.31	30.5	18.9	12.86	10.88
1.65	290.3	239.6	197.7	163.4	121	103	87	74	55.25	44.63	30.2	18.47	12.75	10.79
1.67	276.2	232	193.4	158.8	118.5	101	86	73.5	54.9	44.29	29.8	18.28	12.71	10.76
1.7	261	223.4	188.3	153.6	116.2	100.0	85	73	54.33	43.78	29.5	18.02	12.62	10.69
1.75	239.8	207.6	174.9	146.3	111.4	97.0	81.5	71	53.47	42.97	29	17.57	12.5	10.6
1.8	222	192.5	166.2	138.4	106.4	93.2	77	68	52.45	41.99	28.2	17.13	12.38	10.5

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	537	430	353	293.3	217	191.6	156.0	138	101.0	78.50	54.57	37.5	24.87	20.61
1.65	502.7	411.3	339.8	281.8	211.4	187.2	153	136.8	100.0	77.3	54.17	37.06	24.74	20.53
1.67	490.2	402.7	333.5	277.3	209.2	185.4	152.0	136.3	99.50	77	54.05	36.9	24.71	20.54
1.70	475.8	392.4	325.8	271.6	206.1	182.9	151.0	135.2	99.00	76.4	53.71	36.6	24.58	20.47
1.75	442.6	373.3	311.1	262	199.7	177.8	148.0	133.5	97.00	75.2	53.21	36.09	24.44	20.41
1.80	410	350.7	297.6	251.1	193	172.5	145.0	131.7	94.00	74.1	52.7	35.6	24.33	20.34

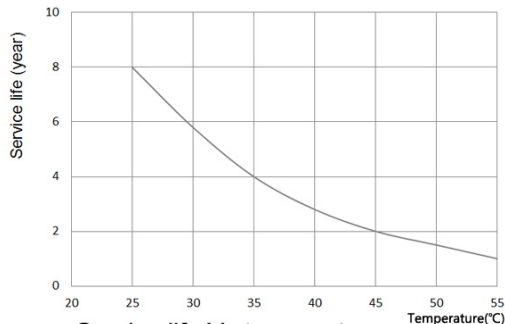
Performance Curve



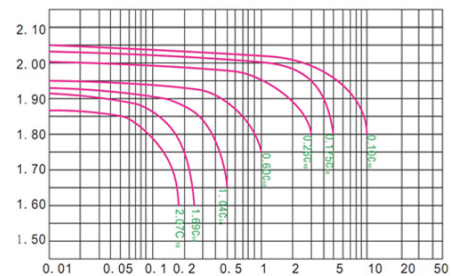
Charge performance



Temperature Vs charge voltage



Service life Vs temperature



Discharge performance

Sacred Sun Power Source Co.,Ltd.

No.1 Shengyang Road, Qufu City, PRC
Website: www.sacredsunsun.com

Sacred Sun Asia Pacific

10Q,10thFloor, Xinbaohui Building, Nanhai Boulevard,
Nanshan, Shenzhen, PRC.

Sacred Sun Europe SPRL

Paul Dejaerlaan 4b, B 1060 Brussel, Belgium

