

### Advantages

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

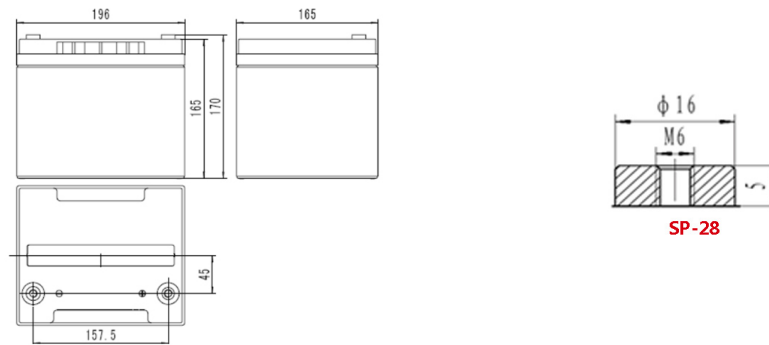
### Application

- Telecommunication
- Power system
- UPS
- Emergency power

### Standards

- IEC 60896-21/22:2004
- JIS C8704-1/2:2006
- Eurobat guide
- installation compliant with EN50272-2

### Drawing



### Specification

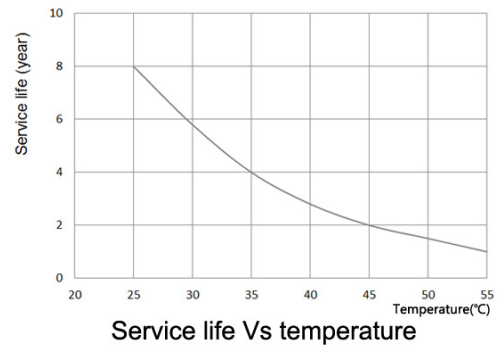
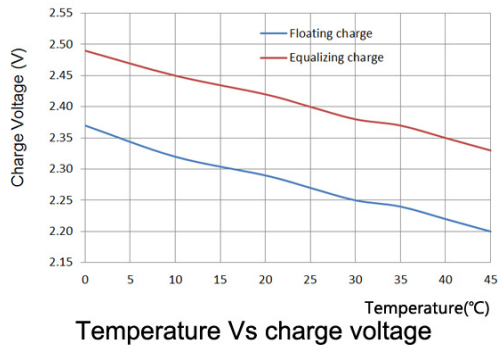
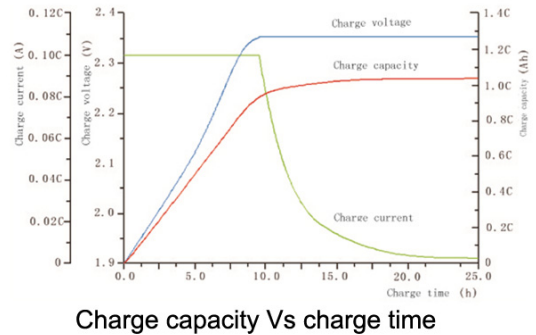
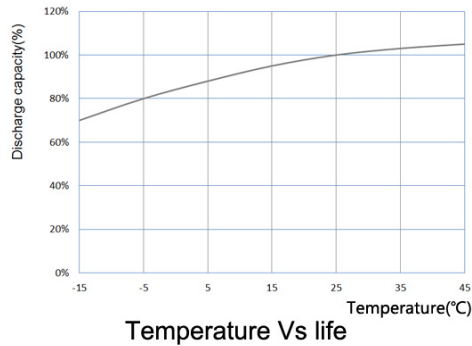
Battery Model	6GFM-38			
Designed Life(Years)	10			
Capacity(Ah/25°C)	10HR(3.8A,1.80V/Cell)	5HR(6.44A,1.80V/Cell)	3HR(9.5A,1.80V/Cell)	1HR(20.9A,1.75V/Cell)
	38	32.2	28.5	20.9
Dimensions	Length(mm)	Width(mm)	Height(mm)	Total Height(mm)
	196	165	165	170
Approx.Weight(Kg)	12.7			
Internal Resistance(m $\Omega$ )	8.1			
Max. Discharge Current(A/5Sec.)	304			
Self Discharge(25°C)	<=2% per month			
Charge Voltage(V/Cell/25°C)	Cycle use		Float use	
	2.4(-3.5mV/°C),max charge current:5.7A		2.27(-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	4h	5h	6h	8h	10h
1.60	127.8	94.19	76.05	63.06	43.09	33.11	27.09	23.58	17.54	14.06	10.65	8.465	7.149	6.084	4.791	4.004
1.65	117.2	88.92	71.96	59.67	41.8	32.12	26.27	22.82	17.16	13.75	10.34	8.271	6.962	5.967	4.715	3.966
1.70	107.8	83.07	67.28	55.69	40.54	31.16	25.48	21.67	16.73	13.4	10.07	8.009	6.786	5.85	4.639	3.914
1.75	97.7	77.22	63.06	52.77	39.33	30.22	24.72	20.9	16.4	13.04	9.764	7.757	6.611	5.704	4.563	3.861
1.80	90.09	73.13	59.7	49.99	38.14	29.31	23.97	20.21	15.98	12.61	9.5	7.583	6.439	5.556	4.472	3.8

Constant power discharge data(25°C,W/Cell)																
Endvoltage (V/cell)	5min	10min	15min	20min	30min	40min	50min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.60	213.5	164	131.6	108.4	77.4	62.97	52.02	44.75	33.66	27.3	20.05	16.1	14.31	12.05	9.437	7.892
1.65	198.9	154.5	125.9	103.6	75.03	60.84	50.64	43.47	32.83	26.68	19.69	15.81	14.03	11.87	9.359	7.844
1.70	187.2	146.3	118.6	97.94	72.2	58.98	49.13	42.22	32.05	26.12	19.4	15.45	13.75	11.74	9.249	7.781
1.75	171.4	137.3	113.1	93.7	69.29	56.2	47.32	41.19	31.19	25.7	19.02	15.18	13.47	11.58	9.126	7.706
1.80	158	127.5	106.2	89.31	66.35	53.57	45.04	40.16	30.59	25.28	18.7	14.93	13.2	11.44	9.032	7.646

## Performance Curve



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