



JFG Series AGM-GE Lbattery

JFG12-80

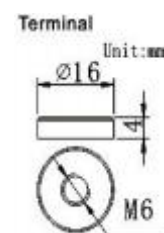
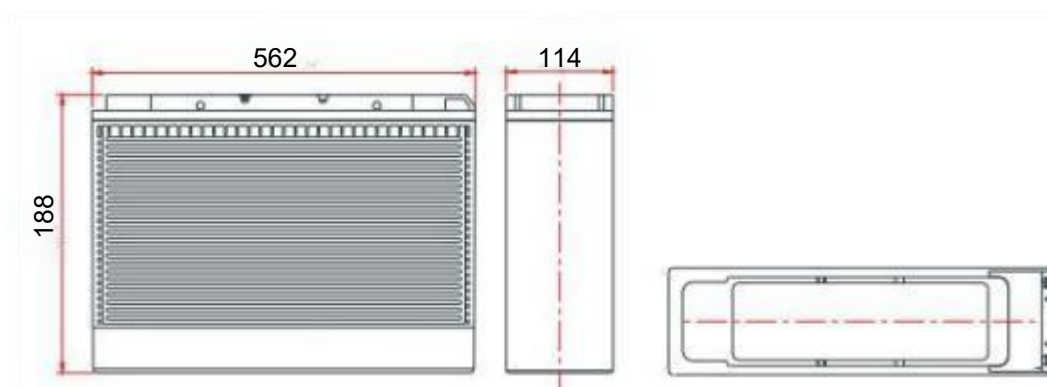
General Features

- Nanosilicacolloidalelectrolyteandhightinpositive platealloydesigntoenhancebatteryperformance
- Relativelyrichelectrolyte,hightemperatureandlow temperatureperformanceissuperior
- Longcyclelife,excellentdeepcycledischargeability
- Excellentchargeacceptanceability
- Precisionsealingtechnology
- Longlife



Dimension:562(L) ×114(W) ×188(H) ×188(TH) /(±2mm)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	80Ah@10hour-rate to 1.80V per cell @25°C
Design life	15 years
Terminal	M6
Approx. Weight	Approx25.5 ±3%kg (56.22 ±3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2000A
Internal resistance(Full charged at 25°C:)	6.9 mΩ
Self discharge	3% of capacity declined per month at 25°C

Operating Temperature

Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method (2 5 ° C)

Charge current:	Max. 20.0A;Recom.8.0A
Float charge:13.5-13.8V	recom.13.8V(-18mV/ °C)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/ °C)

Standards

Executive standard: IEC 60896-21/22, GB/T 19638.1-2014, YD/T 2343-2011

Applications

- UPS/EPS
- Power systems
- Telecom outdoor integration site
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

Rated Capacity

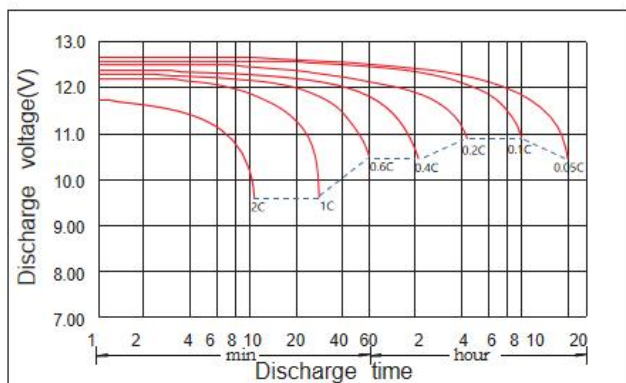
10Hour Rate (8.00A to 10.8V)	80.0Ah
3Hour Rate (20.8A to 10.2V)	62.4Ah
1Hour Rate (51.0A to 9.6V)	51.0Ah

Attain Certificate

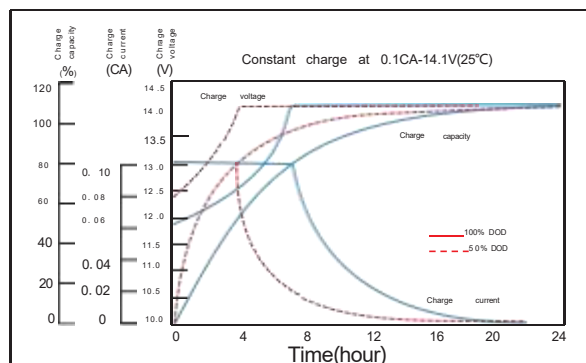


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

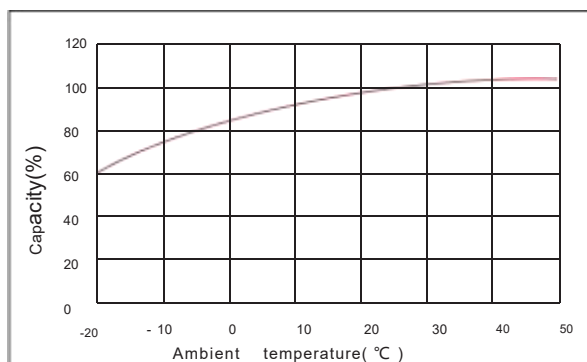
Discharge characteristic



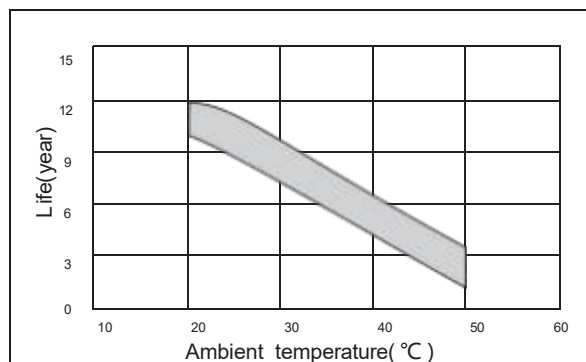
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	186	144.4	89	64.4	51	30	22.1	15.3	10.2	8.4	4.44
1.65V	172.1	136.4	84.6	61.9	49.5	29	21.4	15.0	10.1	8.2	4.4
1.70V	159.6	128.1	81.4	59.7	47.6	28.2	20.8	14.7	9.9	8.2	4.35
1.75V	149	120	77.2	57	45.7	27.5	20.3	14.5	9.8	8.1	4.31
1.80V	134.1	112.6	74.5	55	44.1	26.5	19.7	14.2	9.6	8	4.24

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	334.6	276.1	168.9	122.3	97.9	56.9	42.2	28.7	19.8	16.4	8.6
1.65V	313.1	264.2	161.5	118.2	95.3	55.4	41	28.2	19.7	16.2	8.5
1.70V	293.2	246.2	154.9	114.4	92	54.1	40.1	27.8	19.4	16.1	8.4
1.75V	275.9	231	147.4	109.8	88.6	52.8	39.3	27.4	19.2	15.9	8.3
1.80V	249.8	216.8	141.4	106.2	85.8	51	38.2	26.9	19	15.8	8.2