



JFG Series AGM-GEL battery

JFG12-200

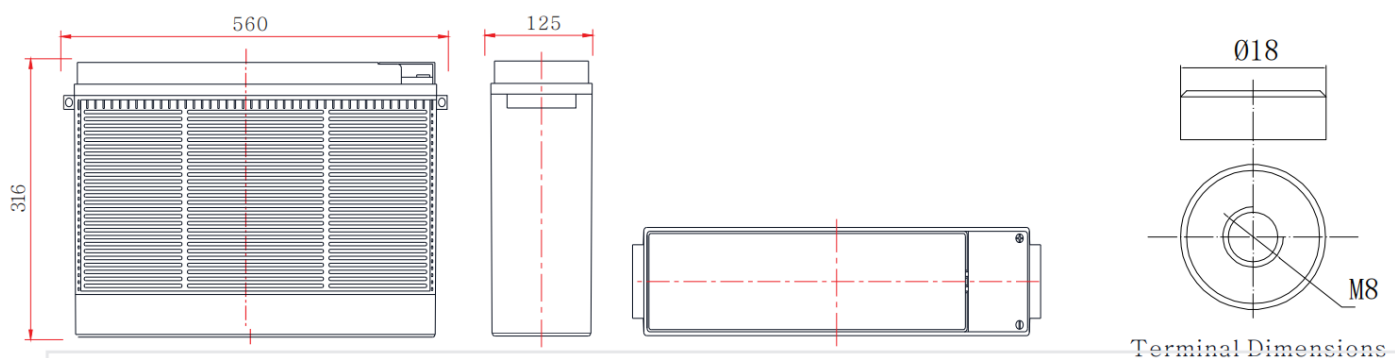
General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life



Dimension: 560(L) × 125(W) × 316(H) × 316(TH)/(±2mm)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	200Ah@10hour-rate to 1.80V per cell @25°C
Design life	12 years
Terminal	M8
Approx. Weight	Approx 58.5 ± 3%kg (128.97 ± 3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2400A
Internal resistance(Full charged at 25°C:)	5.0 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(25 °C)	
Charge current:	Max. 50.0A; Recom. 20.0A
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

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 (20.0A to 10.8V)	200.0Ah
3Hour Rate (53.2A to 10.2V)	159.6Ah
1Hour Rate (126.5A to 9.6V)	126.5Ah

Attain Certificate

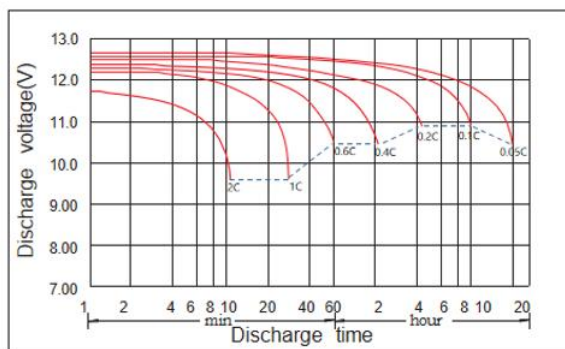


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

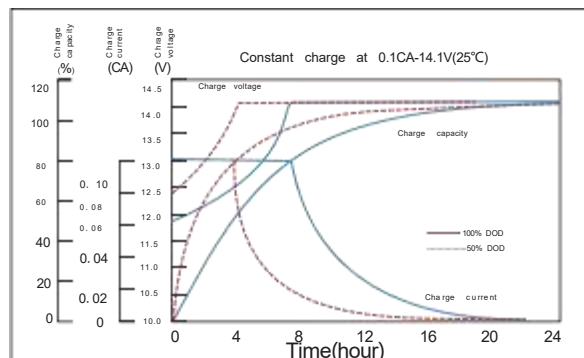


JF Series Front Terminal Battery JFG12-200

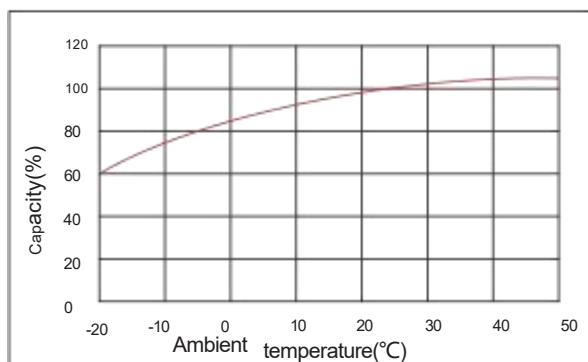
Discharge characteristic



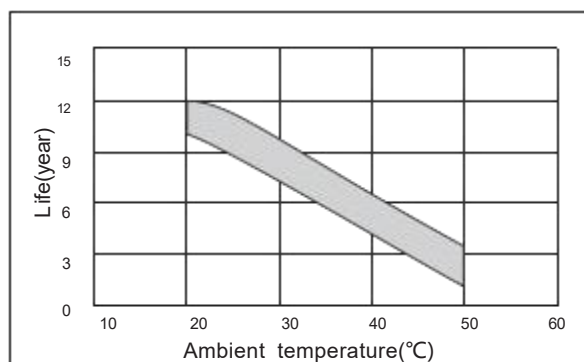
Charging characteristic



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	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	341.8	209.3	158.7	126.5	94.0	75.0	56.4	45.4	38.7	32.9	25.4	21.1	11.0
1.65V	328.4	200.9	152.4	121.5	91.1	73.3	54.7	44.0	37.7	32.4	25.1	20.8	10.9
1.70V	307.6	192.0	145.7	116.5	87.6	70.2	53.2	43.0	36.7	31.7	24.7	20.5	10.8
1.75V	286.2	181.7	139.2	112.8	83.9	67.8	51.6	41.9	35.8	30.9	24.3	20.3	10.7
1.80V	269.6	176.7	134.2	107.9	80.0	65.6	51.0	40.7	34.8	30.0	23.9	20.0	10.6
1.85V	223.7	149.6	117.1	94.9	72.3	58.1	44.8	36.9	31.7	27.4	22.5	18.4	10.2

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

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	600.4	380.1	288.9	231.6	173.9	138.0	106.4	85.1	72.7	63.1	49.5	41.5	21.7
1.65V	582.6	368.7	279.6	225.0	169.6	135.6	104.9	83.1	71.1	62.6	49.1	41.0	21.4
1.70V	553.8	356.0	276.3	219.1	167.1	131.2	100.5	81.2	69.5	61.2	48.4	40.5	21.2
1.75V	522.8	343.7	264.9	214.5	162.5	127.7	99.8	79.4	68.0	59.9	47.8	40.0	21.1
1.80V	494.5	331.9	254.9	205.6	154.1	125.7	97.1	78.5	66.5	58.8	47.1	39.5	21.0
1.85V	412.0	288.7	226.4	183.7	143.1	115.0	87.2	72.2	62.2	53.8	44.4	37.3	19.7