



JDG Series AGM-GEL battery

3-EVF-100

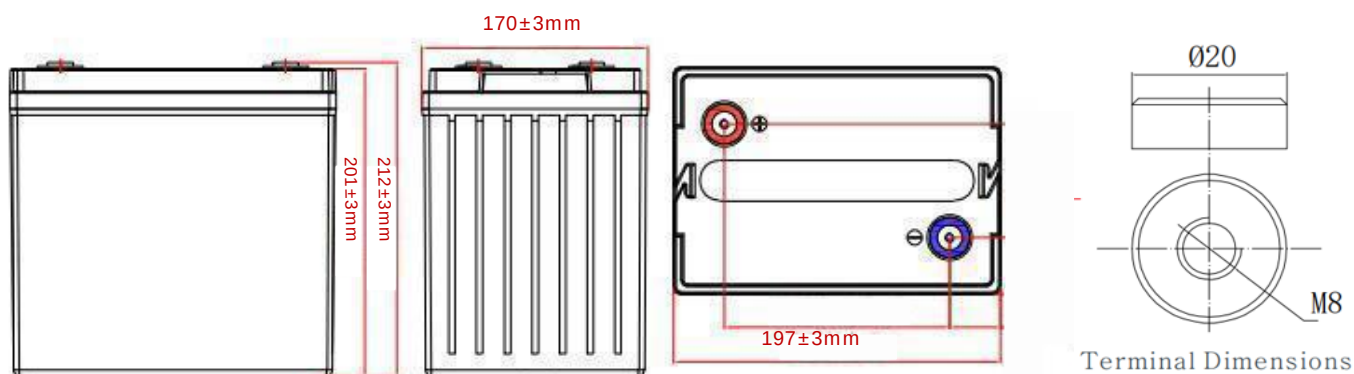
General Features

- 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:197(L)×170(W) ×201(H)×212(TH)

Unit: mm



Specification

Nominal Voltage	6V
Nominal Capacity	102.5Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx16.5kg (36.37lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C

Rated Capacity

10Hour Rate (20.0A to 10.5V)	102.5Ah
3Hour Rate (56.7A to 10.5V)	87.5Ah
1Hour Rate (141A to 10.5V)	64.16Ah

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)

Max charge current	15.37A
Float Use:	6.75-6.90V@25
Cycle Use :	7.20-7.50V@25

Standards

Executive standard :GB/T32620-2016

Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、 Auto control system
- Solar/wind generating storage cyclic
- Motive Power Applications

Attain Certificate



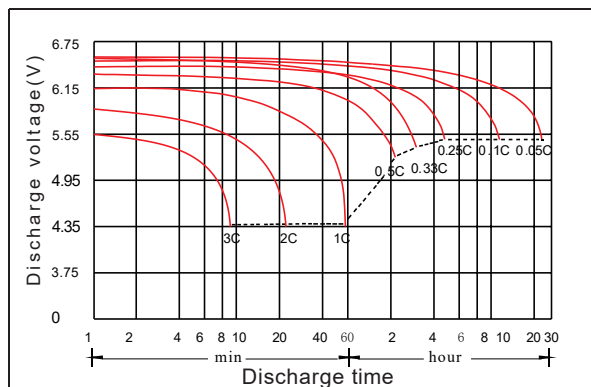
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



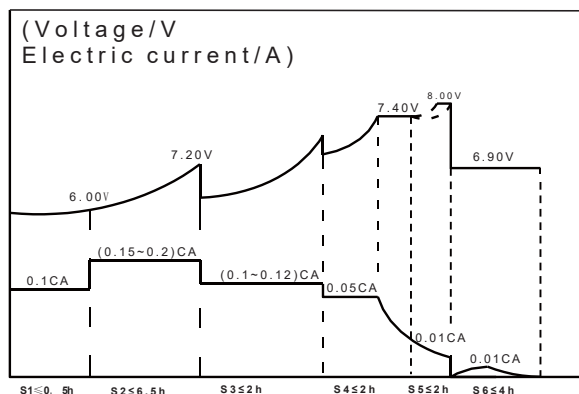
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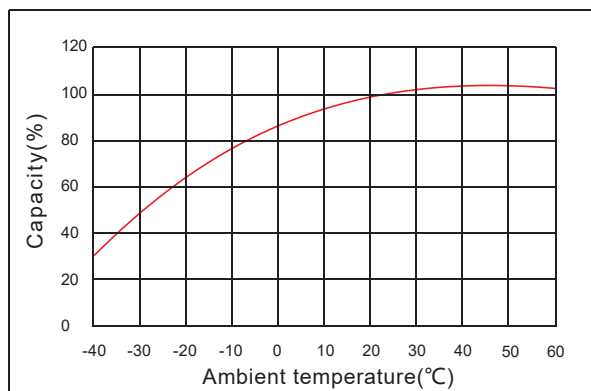
Discharge characteristic



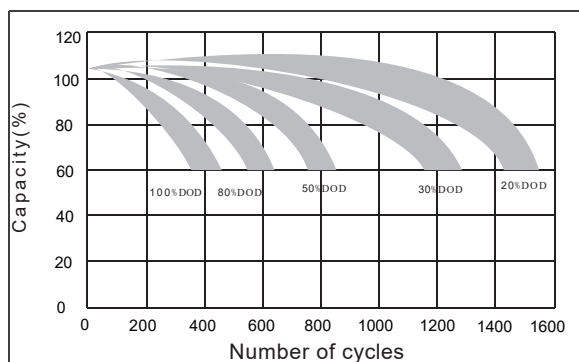
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	111	64.16	38.1	26.9	22.5	11.5	10.75	5.42
1.65V	109	63.50	37.9	25.8	21.6	11.4	10.64	5.38
1.70V	107	62.60	37.5	25.0	20.5	11.3	10.56	5.33
1.75V	106	61.30	37.0	24.2	18.6	11.2	10.33	5.29
1.80V	101	60.40	36.3	23.6	17.4	10.7	10.25	5.24
1.85V	92.5	59.60	34.5	22.1	16.8	10.2	10.12	5.16

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

FV/Time	30min	1h	2h	3h	5h	6h	10h	20h
1.60V	176.9	101.5	53.1	37.1	26.1	23.2	13.9	8.1
1.65V	169.8	97.4	50.9	35.6	25.1	22.3	13.4	7.8
1.70V	166.3	95.4	49.9	34.9	24.5	21.8	13.1	7.6
1.75V	159.2	91.4	47.8	33.4	23.5	20.9	12.5	7.3
1.80V	153.9	88.3	46.2	32.3	22.7	20.2	12.1	7.1
1.85V	145.1	83.2	43.5	30.4	21.4	19	11.4	6.7