



JDG Series AGM-GEL battery

3-EVF-170

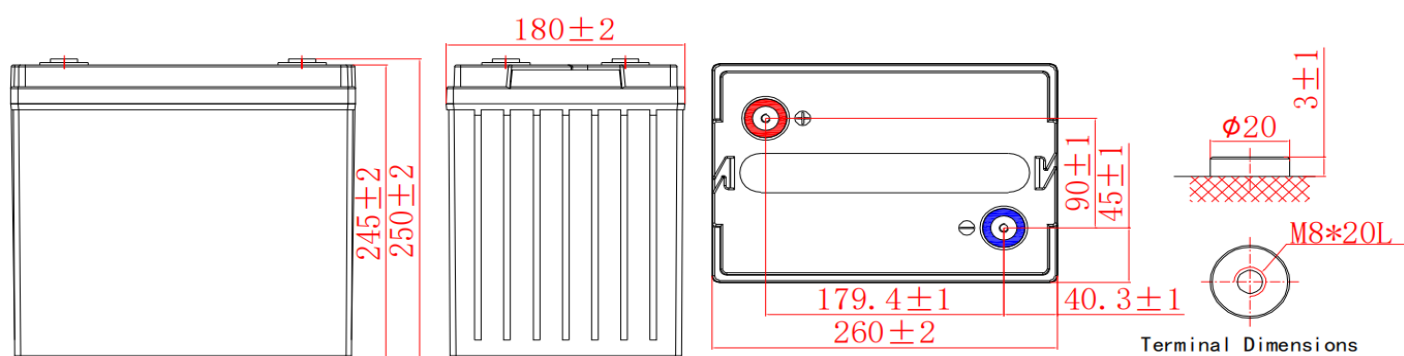
General Features

- ▶ 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
- ▶ Low self-discharge rate



Dimension: 260(L) × 180(W) × 245(H) × 250(TH)

Unit: mm



Specification

Nominal Voltage	6V
Nominal Capacity	170Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 29.5kg (65.0lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C

Rated Capacity

10Hour Rate (20.0A to 10.5V)	200.0Ah
3Hour Rate (56.7A to 10.5V)	170.0Ah
1Hour Rate (141A to 10.5V)	141.0Ah

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	25.5A
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
- ▶ Emergen cylighting、 Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Motive Power Applications

Attain Certificate



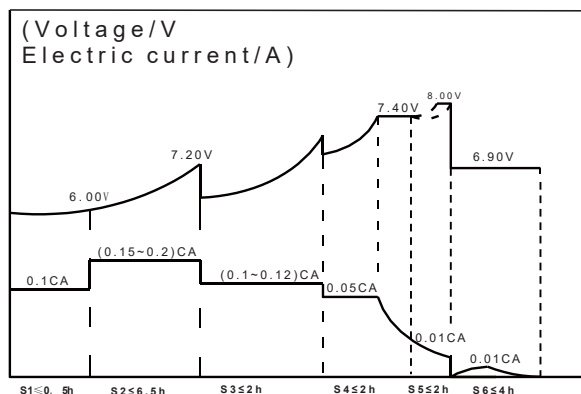
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



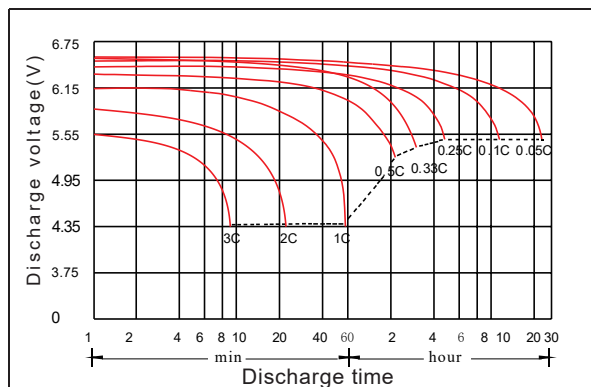
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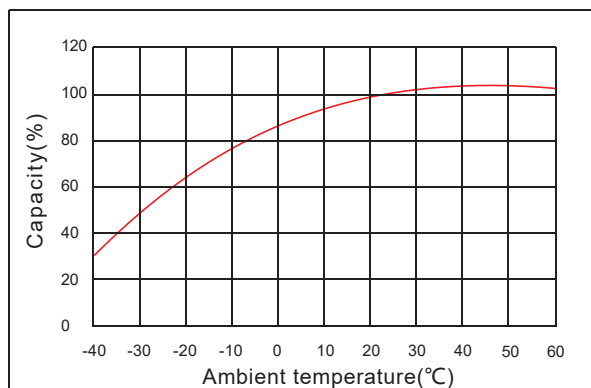
Charging characteristic



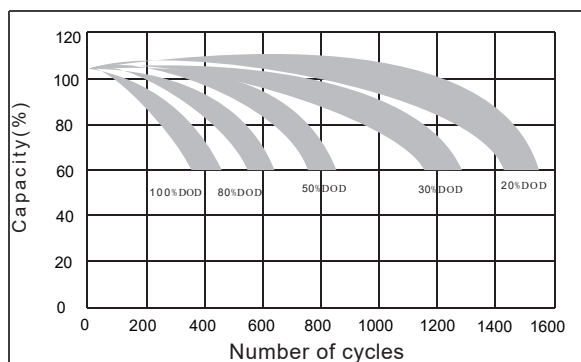
Discharge characteristic



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	256	145	84.4	58.8	39.2	24.4	20.6	11.2
1.65V	251	144	83.9	58.3	38.9	24.2	20.4	11.1
1.70V	246	143	83.2	57.4	38.5	24.0	20.2	11.0
1.75V	244	141	82.0	56.7	38.0	23.8	20.0	11.0
1.80V	233	137	80.5	56.5	37.1	23.8	19.8	11.0
1.85V	213	127	76.4	53.2	35.2	22.7	19.2	10.7

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	462	275	159	112	74.4	47.5	39.6	22.1
1.65V	457	273	159	111	73.9	47.1	39.2	22.0
1.70V	457	271	158	110	73.5	46.9	38.7	21.9
1.75V	455	268	157	109	73.0	46.6	38.5	21.8
1.80V	443	266	157	109	72.1	46.2	38.1	21.7
1.85V	406	247	150	104	68.8	44.7	37.4	21.5