



JDG Series AGM-GEL battery

6-EVF-100

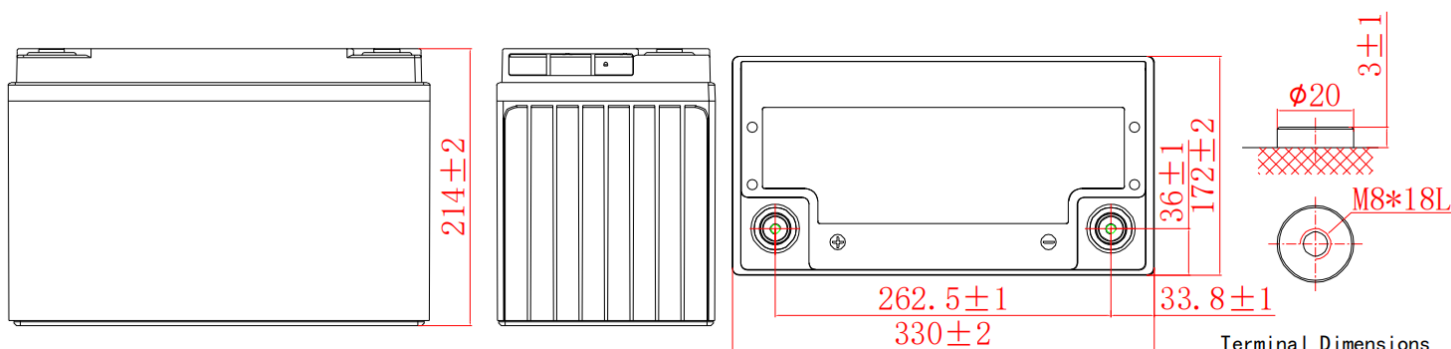
General Features

- 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: 330(L) × 172(W) × 214(H) × 214(TH)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 31.8kg ± 3% (70.10lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (6.25A to 10.5V)	125.0Ah
3Hour Rate (33.4A to 10.5V)	100.0Ah
1Hour Rate (80.0A to 10.5V)	80.0Ah
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	15.0A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@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



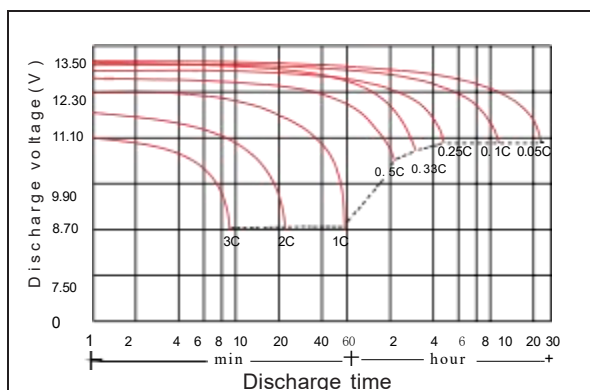
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



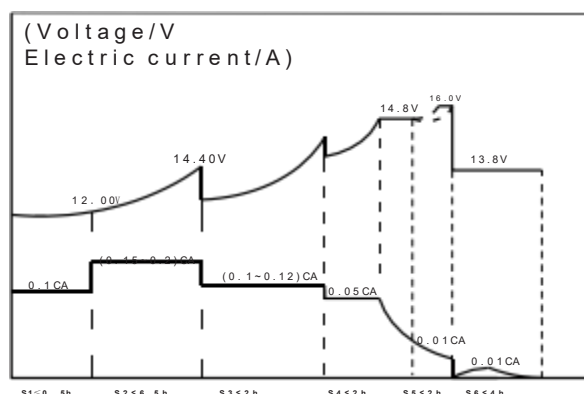
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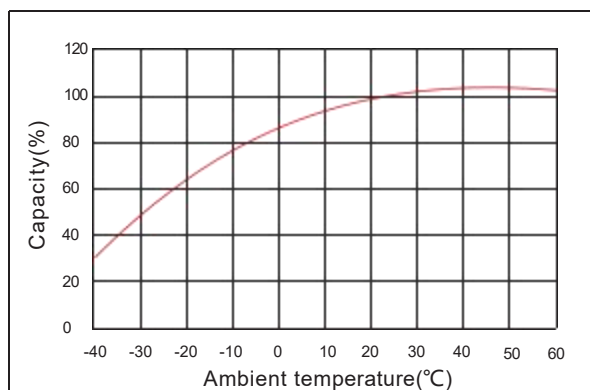
Discharge characteristic



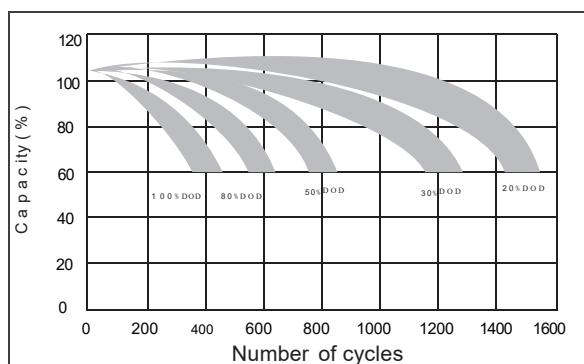
Charging characteristic



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	151	82.3	47.4	34.6	22.2	13.9	11.7	6.34
1.65V	148	81.8	47.1	34.4	22.0	13.8	11.6	6.31
1.70V	145	81.2	46.7	33.8	21.8	13.7	11.5	6.28
1.75V	144	80.0	46.0	33.4	21.5	13.5	11.4	6.25
1.80V	138	78.0	45.2	33.3	21.0	13.5	11.3	6.22
1.85V	126	72.3	42.9	31.3	19.9	12.9	10.9	6.11

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	273	156	89.4	66.0	42.1	27.1	22.6	12.6
1.65V	270	155	89.1	65.2	41.8	26.8	22.3	12.5
1.70V	270	153	88.9	64.7	41.6	26.7	22.1	12.4
1.75V	269	152	88.3	64.3	41.3	26.6	21.9	12.4
1.80V	261	151	88.1	64.2	40.8	26.3	21.7	12.3
1.85V	240	140	84.1	61.0	38.9	25.5	21.3	12.2