



JDG Series AGM-GEL battery

6-EVF-65

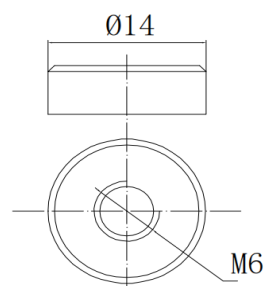
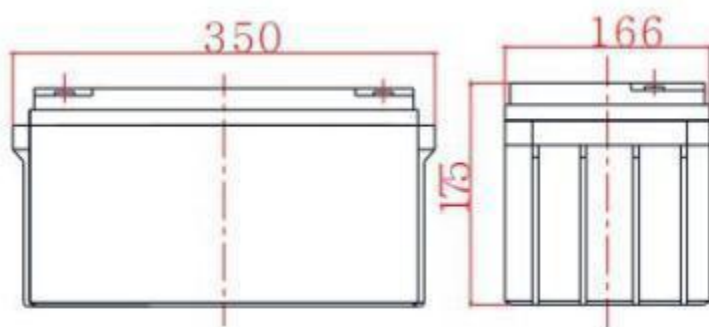
General Features

- 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:350(L) ×166(W) ×175(H) ×175(TH)/(±2)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	65Ah@10hour-rate to 1.80V per cell @25°C
Design life	10 years
Terminal	M8
Approx. Weight	Approx20.6kg±3% (45. ±3%4lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	1714A
Internal resistance(Full charged at 25°C:)	7.0 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating emperature	
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. 16.3A;Recom.6.5A
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 1360-2005

Applications

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

Rated Capacity

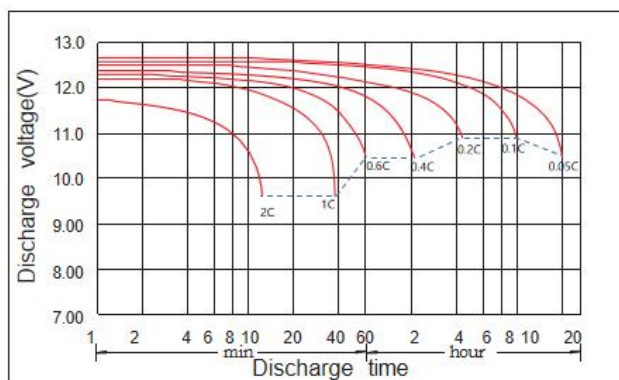
10Hour Rate (6.50A to 10.8V)	65.0Ah
3Hour Rate (17.3A to 10.2V)	51.9Ah
1Hour Rate (41.1A to 9.6V)	41.1Ah

Attain Certificate

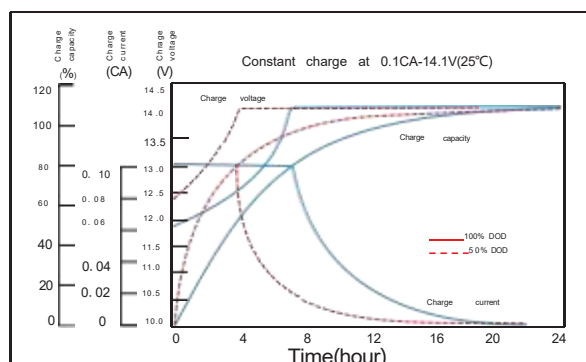


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

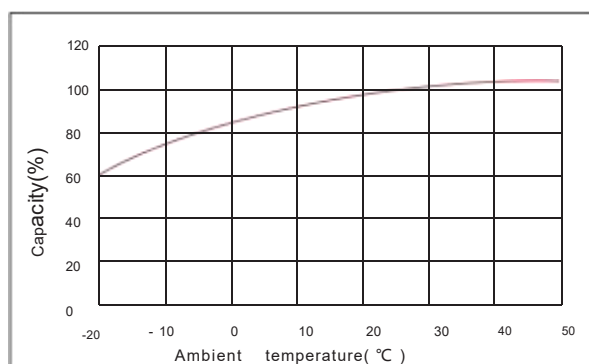
Discharge characteristic



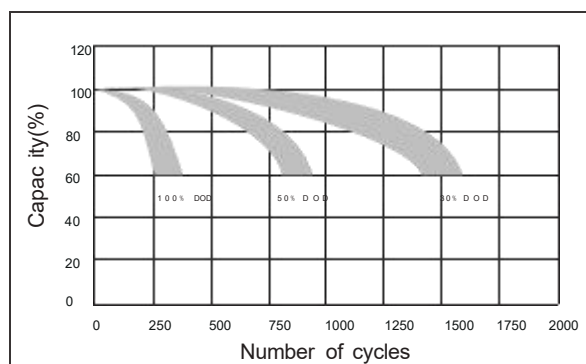
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle 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	121.7	71.9	52.4	41.1	30.5	24.4	18.3	14.8	12.6	10.7	8.24	6.86	3.59
1.65V	116.9	69.0	50.3	39.5	29.6	23.8	17.8	14.3	12.2	10.5	8.15	6.77	3.53
1.70V	109.5	66.0	48.1	37.8	28.5	22.8	17.3	14.0	11.9	10.3	8.02	6.67	3.50
1.75V	101.9	62.4	45.9	36.7	27.3	22.0	16.8	13.6	11.6	10.0	7.91	6.58	3.48
1.80V	96.0	60.7	44.3	35.1	26.0	21.3	16.6	13.2	11.3	9.75	7.78	6.50	3.44
1.85V	79.7	51.4	38.6	30.8	23.5	18.9	14.6	12.0	10.3	8.89	7.30	6.00	3.30

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	213.8	130.6	95.3	75.3	56.5	44.8	34.6	27.7	23.6	20.5	16.1	13.5	7.06
1.65V	207.5	126.7	92.2	73.1	55.1	44.1	34.1	27.0	23.1	20.3	15.9	13.3	6.96
1.70V	197.2	122.3	91.1	71.2	54.3	42.7	32.6	26.4	22.6	19.9	15.7	13.2	6.89
1.75V	186.2	118.1	87.4	69.7	52.8	41.5	32.4	25.8	22.1	19.5	15.5	13.0	6.86
1.80V	176.1	114.0	84.1	66.8	50.1	40.9	31.6	25.5	21.6	19.1	15.3	12.8	6.82
1.85V	146.7	99.2	74.7	59.7	46.5	37.4	28.3	23.5	20.2	17.5	14.4	12.1	6.42