



JDG Series AGM- GEL battery

JDG12-95(C)

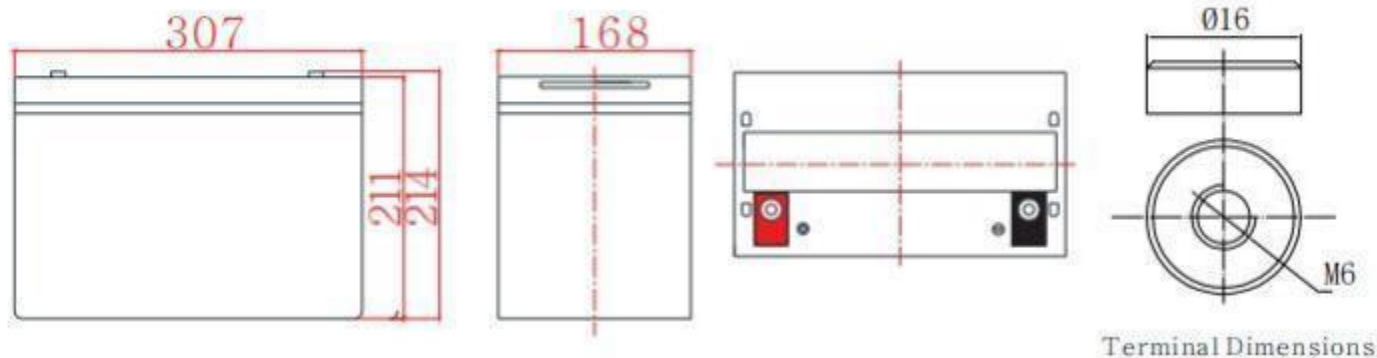
General Features

- ▶ 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: 307(L) × 168(W) × 211(H) × 214(TH) / (±2mm)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	95Ah@10hour-rate to 1.80V per cell @25°C
Design life	10 years
Terminal	M6
Approx. Weight	Approx 28.0kg ± 3% (61.7 ± 3% lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2181A
Internal resistance(Full charged at 25°C:)	5.5 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(2 5 ° C)	
Charge current:	Max. 23.75A; Recom. 9.5A
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 2343-2011

Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting、Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

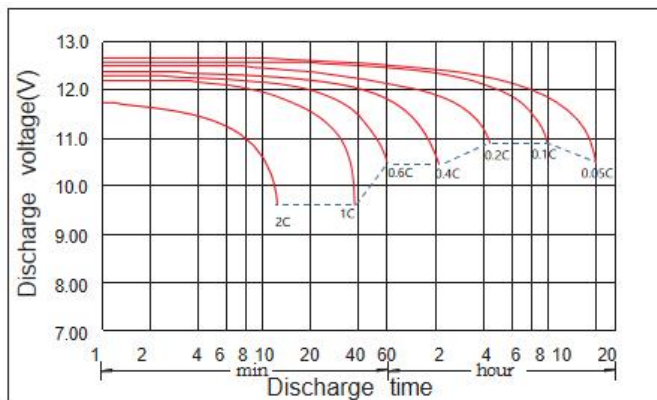
10Hour Rate (9.50A to 10.8V)	95.0Ah
3Hour Rate (25.3A to 10.2V)	75.9Ah
1Hour Rate (60.1A to 9.6V)	60.1Ah

Attain Certificate

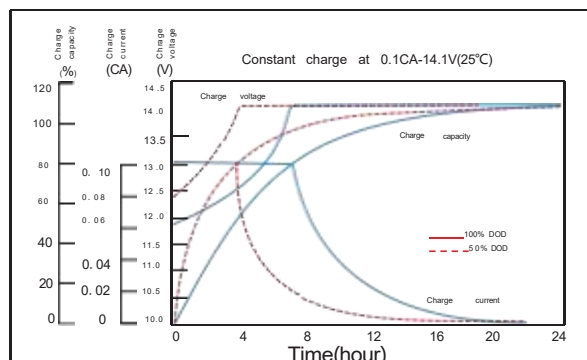


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

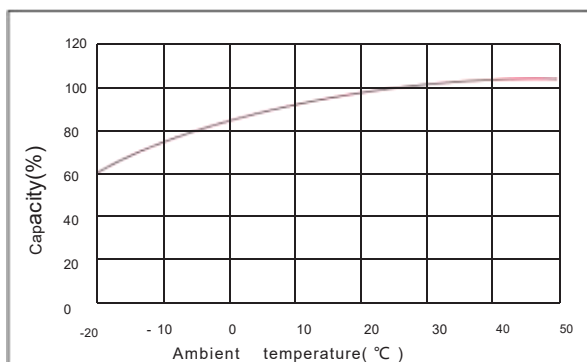
Discharge characteristic



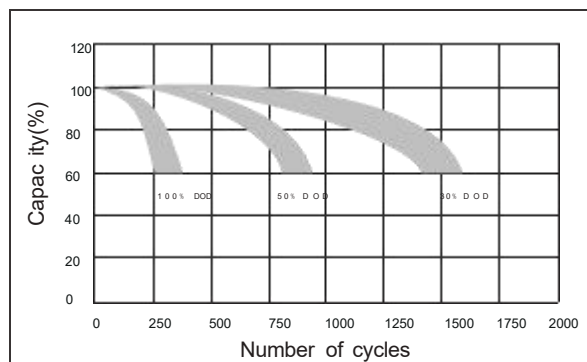
Charging characteristic



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	175.3	104.0	76.2	60.1	44.6	35.6	26.8	21.6	18.4	15.6	12.0	10.0	5.24
1.65V	168.4	99.9	73.1	57.7	43.3	34.8	26.0	20.9	17.9	15.4	11.9	9.90	5.16
1.70V	157.7	95.5	69.9	55.3	41.6	33.3	25.3	20.4	17.4	15.1	11.7	9.75	5.11
1.75V	146.8	90.3	66.8	53.6	39.9	32.2	24.5	19.9	17.0	14.7	11.6	9.62	5.08
1.80V	138.2	87.9	64.4	51.3	38.0	31.2	24.2	19.3	16.6	14.3	11.4	9.50	5.03
1.85V	114.7	74.4	56.2	45.1	34.3	27.6	21.3	17.5	15.1	13.0	10.7	8.76	4.83

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	307.9	189.0	138.6	110.0	82.6	65.5	50.6	40.4	34.5	30.0	23.5	19.7	10.3
1.65V	298.7	183.3	134.1	106.9	80.5	64.4	49.8	39.5	33.8	29.7	23.3	19.5	10.2
1.70V	284.0	177.0	132.5	104.1	79.4	62.3	47.7	38.6	33.0	29.1	23.0	19.2	10.1
1.75V	268.1	170.9	127.1	101.9	77.2	60.7	47.4	37.7	32.3	28.4	22.7	19.0	10.0
1.80V	253.6	165.0	122.3	97.7	73.2	59.7	46.1	37.3	31.6	28.0	22.4	18.8	9.96
1.85V	211.3	143.5	108.6	87.3	68.0	54.6	41.4	34.3	29.5	25.6	21.1	17.7	9.38