



JDG Series AGM-GEL battery

JLG12-69

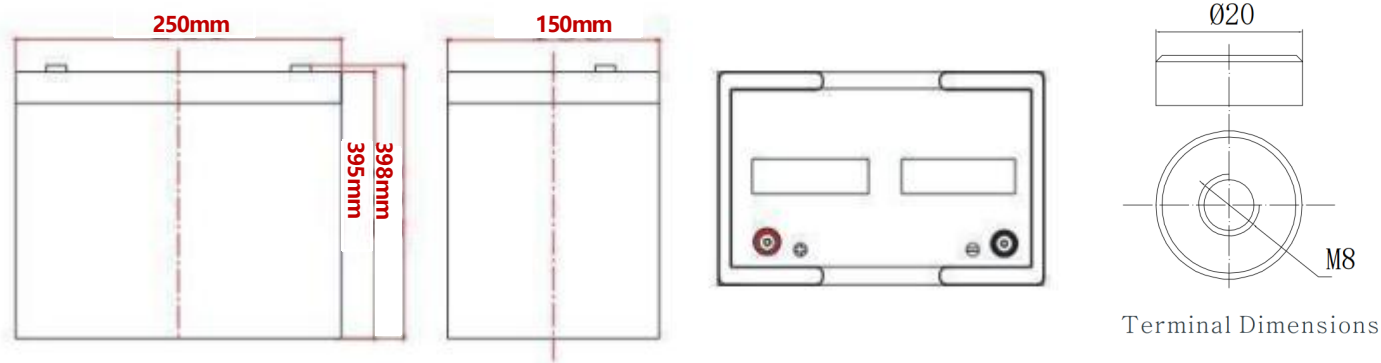
General Features

- 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: 250(L)×150(W) ×395(H)×398(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	69Ah@10hour-rate to 1.75V per cell @25°C
Design life	10 years
Terminal	M8
Approx. Weight	Approx30.4kg ±3% (67.90l ±3%bs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
short-circuit current	1411 A
Internal resistance(Full charged at 25. C)	8.5 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(25 °C)	
Charge current:	Max. 17.5A;Recom.7.0A
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

Applications

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

Rated Capacity

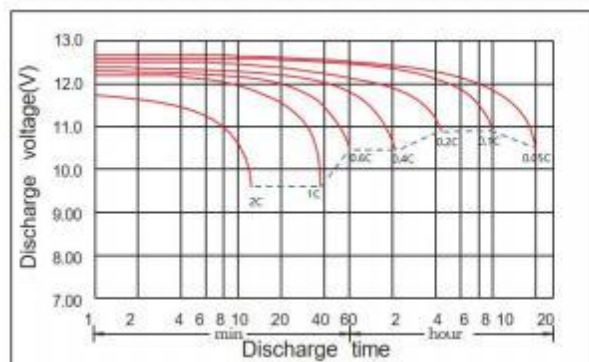
10Hour Rate (6.9A to 10.8V)	69.0Ah
3Hour Rate (18.35A to 10.2V)	55.05Ah
1Hour Rate (43.6A to 9.6V)	43.6Ah

Attain Certificate

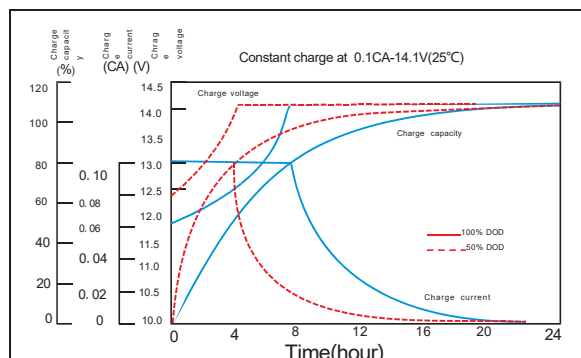


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

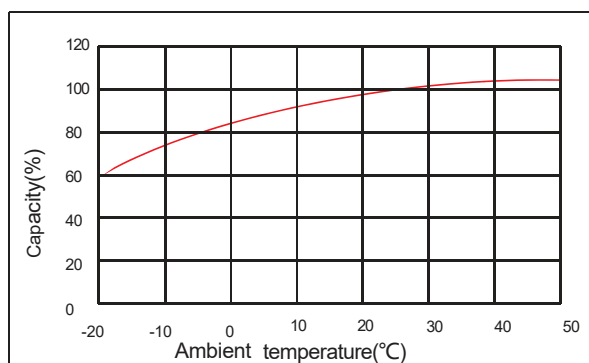
Discharge characteristic



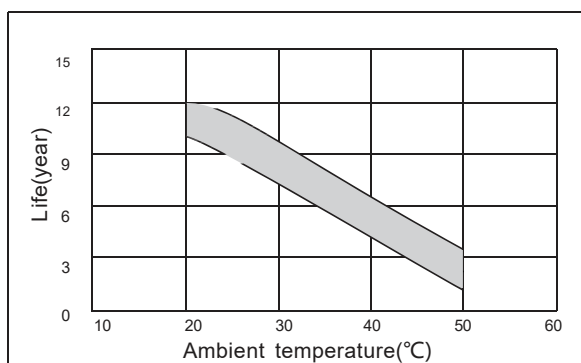
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float 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	127.3	75.6	55.3	43.6	32.41	25.87	19.46	15.68	13.34	11.34	8.75	7.28	3.81
1.65V	122.3	72.5	53.1	41.9	31.44	25.29	18.86	15.18	13.00	11.18	8.65	7.19	3.75
1.70V	114.6	69.3	50.8	40.2	30.21	24.22	18.35	14.84	12.66	10.94	8.52	7.08	3.71
1.75V	106.6	65.6	48.5	38.9	28.96	23.37	17.80	14.46	12.34	10.67	8.40	6.99	3.69
1.80V	100.4	63.8	46.8	37.2	27.60	22.65	17.60	14.04	12.02	10.35	8.26	6.90	3.66
1.85V	83.3	54.0	40.8	32.7	24.94	20.05	15.47	12.74	10.94	9.44	7.75	6.37	3.51

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	223.6	137.2	100.7	79.9	60.01	47.61	36.72	29.37	25.09	21.78	17.09	14.31	7.50
1.65V	217.0	133.1	97.4	77.6	58.50	46.79	36.18	28.68	24.53	21.58	16.93	14.15	7.39
1.70V	206.3	128.5	96.3	75.6	57.65	45.28	34.66	28.00	23.98	21.13	16.71	13.96	7.31
1.75V	194.7	124.1	92.3	74.0	56.06	44.07	34.44	27.39	23.46	20.65	16.51	13.79	7.28
1.80V	184.2	119.8	88.8	70.9	53.16	43.37	33.51	27.10	22.93	20.30	16.26	13.63	7.24
1.85V	153.5	104.2	78.9	63.4	49.38	39.67	30.08	24.91	21.46	18.57	15.30	12.85	6.81