



JDG Series AGM-GEL battery

6-DZF-7

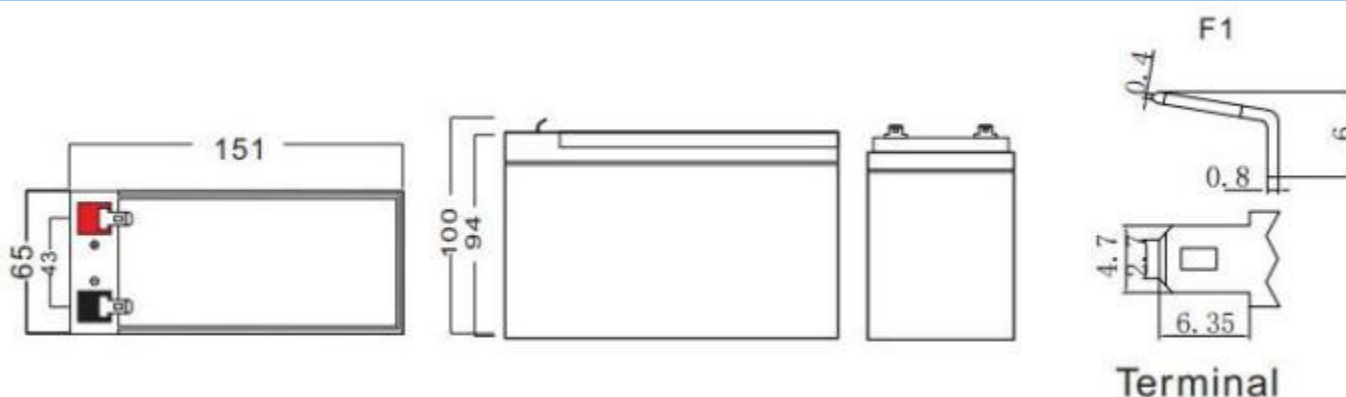
General Features

- 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: 151(L)×65(W) ×94(H)×100(TH)/(±2.0)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	8.5Ah@20hour-rate to 1.75V per cell @25°C
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx2.26kg±3% (4.98lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	480A
Internal resistance(Full charged at 25°C:)	25.0 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. 2.10A;Recom.0.85A
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 61056-2,
GB/T 19639.1-2014

Applications

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

Rated Capacity

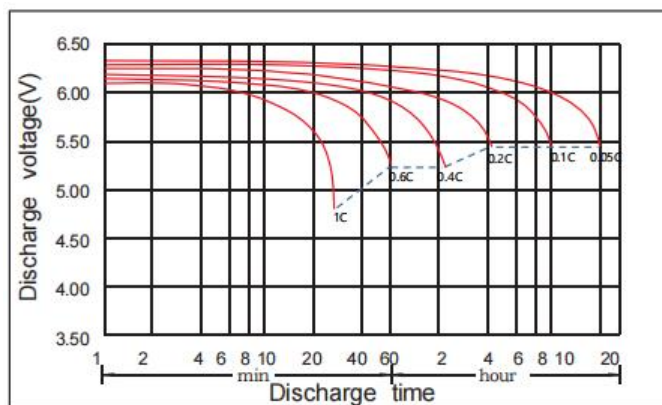
20Hour Rate (0.425A to 10.5V)	8.50Ah
3Hour Rate (2.215A to 10.2V)	6.645Ah
1Hour Rate (5.254A to 9.6V)	5.254Ah

Attain Certificate

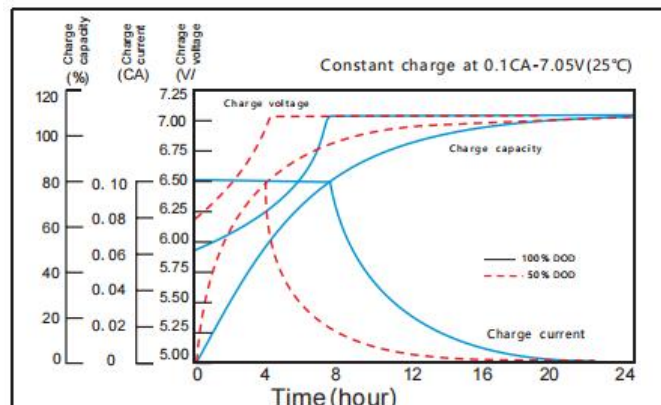


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

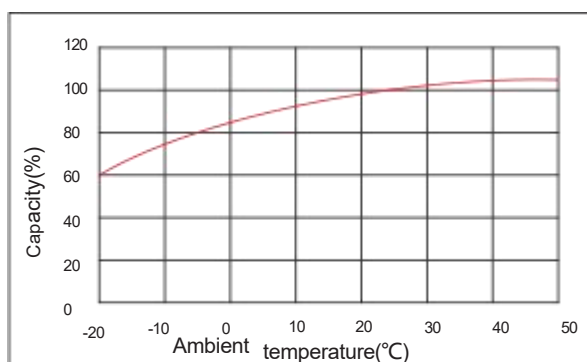
Discharge characteristic



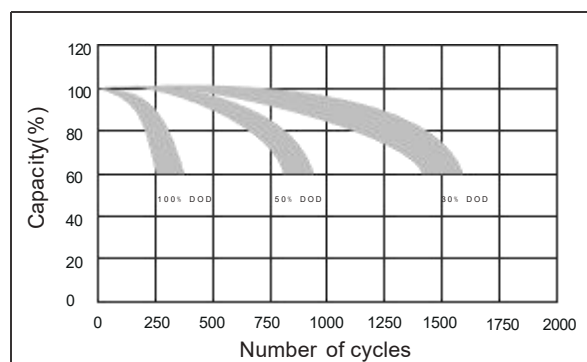
Charging characteristic



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	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	31.52	21.92	15.99	9.440	6.693	5.254	3.761	3.149	2.373	1.873	1.574	1.347	1.019	0.835	0.441
1.65V	29.76	20.66	15.12	8.970	6.379	5.008	3.632	3.049	2.300	1.823	1.533	1.319	1.008	0.825	0.434
1.70V	27.13	19.17	14.16	8.663	6.162	4.829	3.514	2.948	2.215	1.773	1.493	1.276	0.992	0.813	0.429
1.75V	24.55	17.93	13.66	8.280	5.867	4.653	3.369	2.845	2.170	1.728	1.456	1.237	0.978	0.804	0.425
1.80V	21.56	16.25	12.61	7.914	5.647	4.475	3.273	2.766	2.103	1.678	1.418	1.194	0.962	0.794	0.419
1.85V	17.11	13.20	10.47	6.816	4.927	4.013	3.024	2.514	1.944	1.560	1.323	1.135	0.903	0.745	0.394

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	52.76	36.17	27.65	17.15	12.66	9.883	7.186	5.968	4.489	3.597	3.034	2.609	1.990	1.642	0.868
1.65V	49.91	35.05	26.83	16.63	12.03	9.622	7.075	5.806	4.385	3.512	2.967	2.522	1.972	1.624	0.855
1.70V	46.53	33.37	25.50	16.06	11.52	9.184	6.842	5.646	4.267	3.430	2.899	2.458	1.946	1.602	0.846
1.75V	43.04	32.06	24.95	15.51	11.30	8.987	6.588	5.474	4.199	3.355	2.836	2.404	1.923	1.583	0.840
1.80V	38.60	29.53	23.36	14.97	10.91	8.611	6.424	5.349	4.085	3.270	2.773	2.352	1.894	1.560	0.829
1.85V	31.28	24.56	19.66	13.02	9.689	7.830	5.913	4.887	3.793	3.051	2.594	2.243	1.783	1.475	0.782