京九电源
KIJO BATTERY

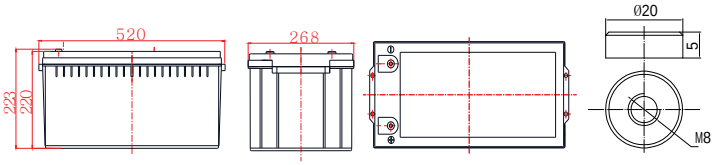
JLG Series GEL battery

JLG12-250

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:520(L)×268(W) ×220(H)×223(TH) Unit: mm



Terminal Dimensions

Applications

- Solar / wind energy and other new energy storage
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Other general purpose

Specification

Nominal Voltage	12V	
Nominal Capacity	250Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 71.5kg (157.6lbs)	
Container Material	ABS	
Rated Capacity	250.0Ah	20Hour Rate (12.5A to 10.5V)
	199.5Ah	3Hour Rate (66.5A to 10.2V)
	154.0Ah	1Hour Rate (154A to 9.6V)
Internal resistance	Full charged at 25°C:	3.8 mΩ
Max. Discharge Current	3000A(5S)	
Operating Temperature	Discharge:	-40 ~60℃(-40~ 140°F)
	Charge:	-20 ~50℃(-4~ 122°F)
	Storage:	-20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Charge current:	Max. 62.5A ; Recom.25.0A
	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)	
Self discharge	3% of capacity declined per month at 25°C	

Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	306	250	194	154	104	95.1	68.3	49.5	45.9	36.6	30.1	25.4	13.0
1.65V	301	301	301	246	193	153	102	93.9	67.7	49.0	45.5	36.3	29.9	25.2	12.9
1.70V	289	289	289	241	189	152	101	92.7	66.5	48.5	45.0	35.9	29.6	24.9	12.7
1.75V	266	266	266	240	188	150	100	91.5	65.9	48.1	44.5	35.6	29.4	24.7	12.5
1.80V	238	238	238	229	180	146	99.4	89.6	65.2	47.6	43.2	35.1	29.1	24.4	12.3
1.85V	212	212	212	209	166	135	96.3	85.4	61.6	46.2	41.1	34.1	28.0	23.7	12.0

Constant Power Discharge Characteristics Unit: W/cell (25℃, 77℉)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	520	450	359	293	201	185	132	95.9	89.0	71.3	58.6	49.5	25.6
1.65V	512	512	512	442	354	292	199	182	131	95.0	88.2	70.7	58.3	49.1	25.2
1.70V	491	491	491	435	350	290	196	180	129	94.0	87.2	69.7	57.9	48.5	24.9
1.75V	452	452	452	431	347	287	194	177	128	93.2	86.3	69.1	57.4	48.2	24.5
1.80V	404	404	404	413	334	278	193	174	127	92.4	83.9	68.1	56.8	47.6	24.1
1.85V	363	363	363	379	308	260	188	167	120	90.1	80.1	66.6	54.8	46.5	23.7

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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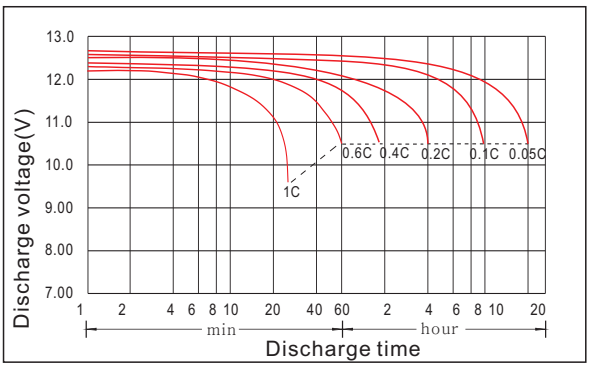
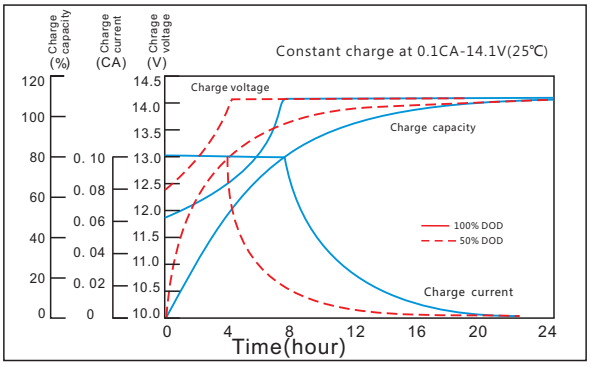
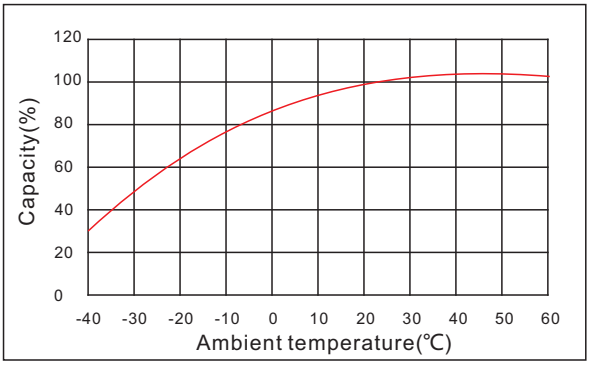
Discharge characteristic



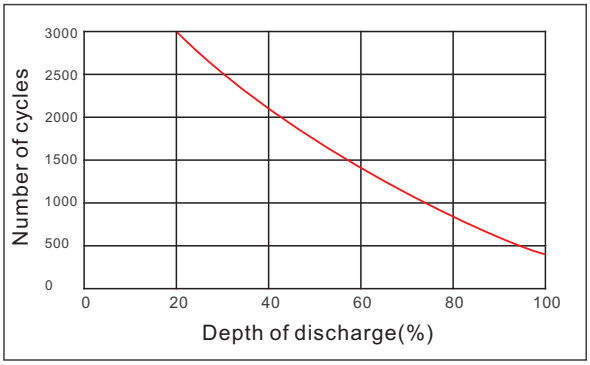
Charging characteristic



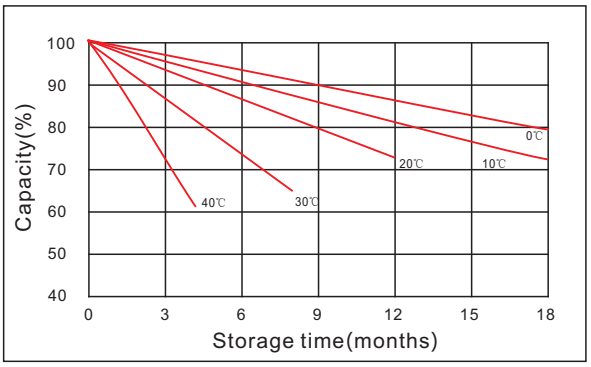
The effect of temperature on capacity



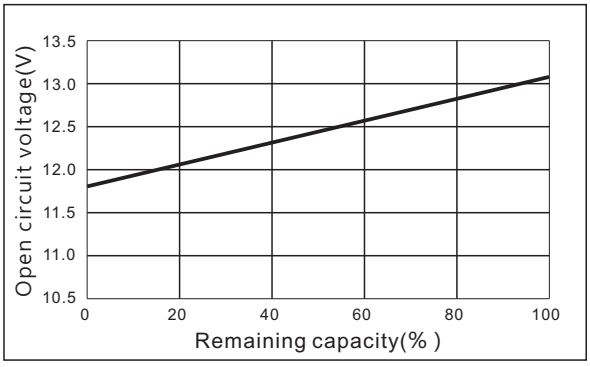
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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