京九电源
KIJO BATTERY

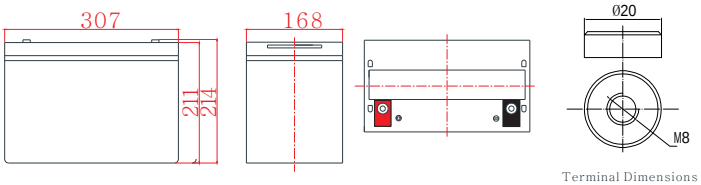
JLG Series Pure GEL battery

JLG12-85

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) 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	85Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 27.0kg (59.52lbs)	
Container Material	ABS	
Rated Capacity	85.0Ah	20Hour Rate (4.25A to 10.5V)
	68.4Ah	3Hour Rate (22.8A to 10.2V)
	52.4Ah	1Hour Rate (52.4A to 9.6V)
Internal resistance	Full charged at 25°C:	8.8 mΩ
Max. Discharge Current	1020A(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. 21.25A ; Recom.8.5A
	Float Charge:13.5-13.8V,recom.13.5V(-18mV/ °C)	
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)	
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	90.0	52.4	30.1	23.3	15.7	9.25	7.80	4.31
1.65V	88.3	52.1	30.0	23.2	15.6	9.17	7.72	4.29
1.70V	86.5	51.8	29.7	22.8	15.4	9.08	7.65	4.27
1.75V	85.9	51.0	29.3	22.5	15.2	9.01	7.57	4.25
1.80V	82.1	49.7	28.7	22.4	14.8	9.00	7.50	4.23
1.85V	74.9	46.0	27.3	21.1	14.1	8.58	7.27	4.15

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	163	100	56.9	44.4	29.7	18.0	15.0	8.54
1.65V	162	98.7	56.7	43.9	29.5	17.9	14.8	8.50
1.70V	161	97.8	56.5	43.6	29.4	17.8	14.7	8.46
1.75V	160	96.9	56.2	43.3	29.2	17.7	14.6	8.42
1.80V	156	96.1	56.0	43.2	28.8	17.5	14.4	8.38
1.85V	143	89.1	53.5	41.1	27.5	16.9	14.2	8.30

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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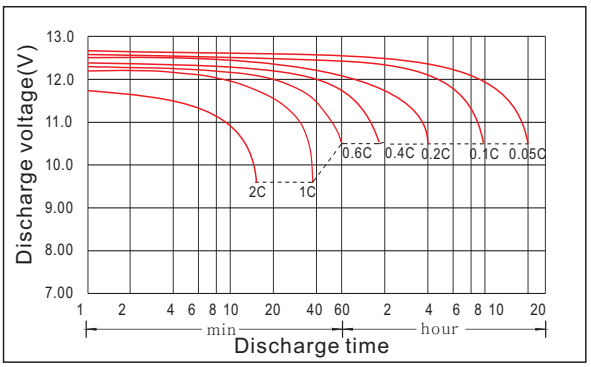
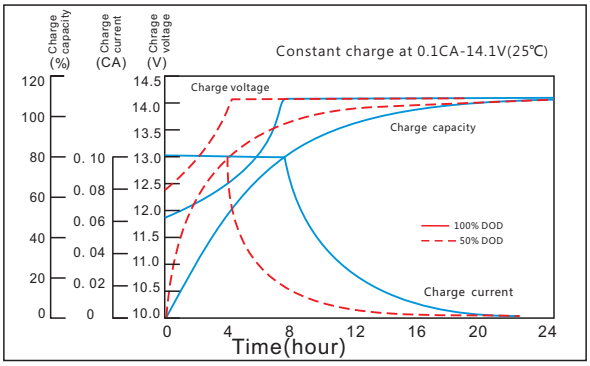
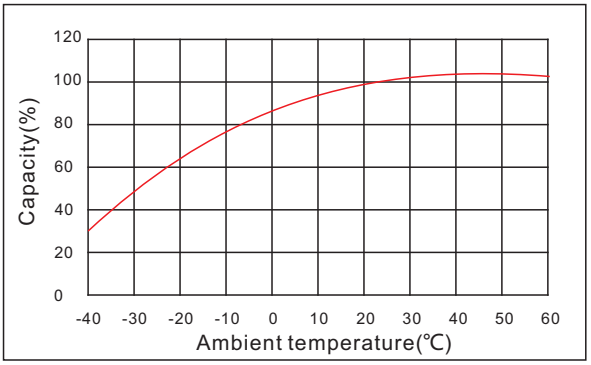
Discharge characteristic



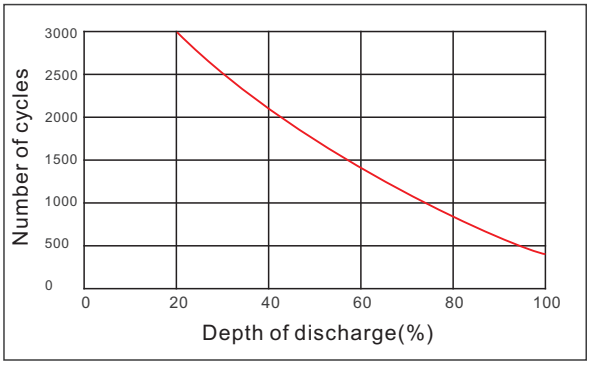
Charging characteristic



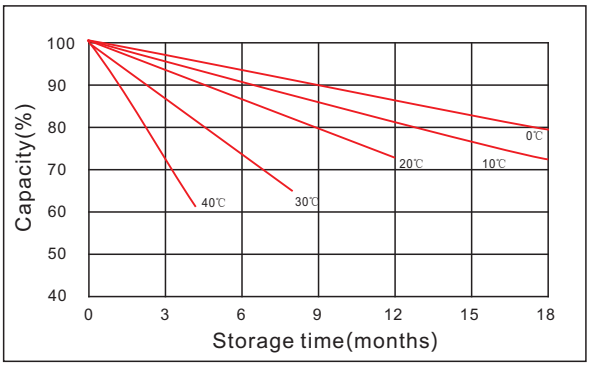
The effect of temperature on capacity



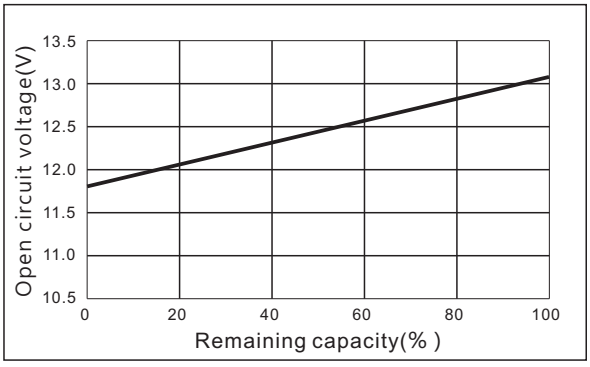
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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