京九电源
KIJO BATTERY

JLG Series Pure GEL battery

JLG12-190

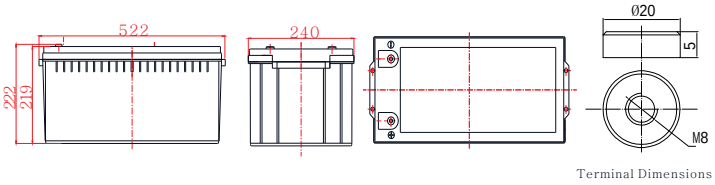
Applications

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

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:522(L)×240(W) ×219(H)×222(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	190Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 58kg (127.9lbs)	
Container Material	ABS	
Rated Capacity	190Ah	20Hour Rate (9.5A to 10.5V)
	150Ah	3Hour Rate (50.0A to 10.2V)
	100Ah	1Hour Rate (100A to 9.6V)
Internal resistance	Full charged at 25°C:	5.7 mΩ
Max. Discharge Current	2280A(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. 47.5A ; Recom.19.0A
	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	150	100	57.4	51.2	34.3	21.0	17.7	9.64
1.65V	147	99.3	57.1	50.8	34.1	20.8	17.5	9.60
1.70V	144	98.7	56.6	50.0	33.7	20.6	17.3	9.54
1.75V	143	97.2	55.8	49.4	33.3	20.5	17.2	9.50
1.80V	137	94.7	54.8	49.2	32.5	20.4	17.0	9.46
1.85V	125	87.8	52.0	46.3	30.9	19.5	16.5	9.28

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	271	190	110	97.6	65.2	40.8	34.0	19.1
1.65V	269	188	109	96.3	64.8	40.4	33.6	19.0
1.70V	268	187	108	95.7	64.4	40.2	33.2	18.9
1.75V	267	185	107	95.1	64.0	40.0	33.1	18.8
1.80V	260	183	106	94.9	63.2	39.7	32.7	18.7
1.85V	238	170	102	90.2	60.4	38.3	32.1	18.5

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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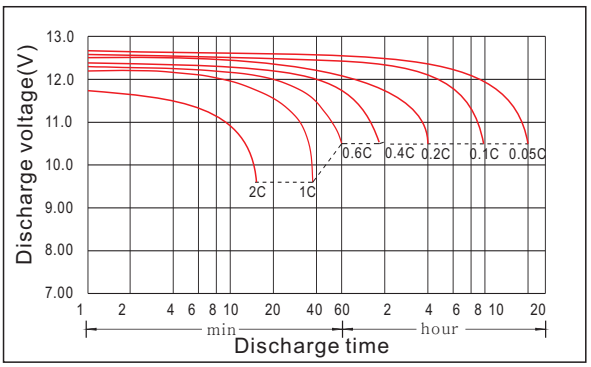
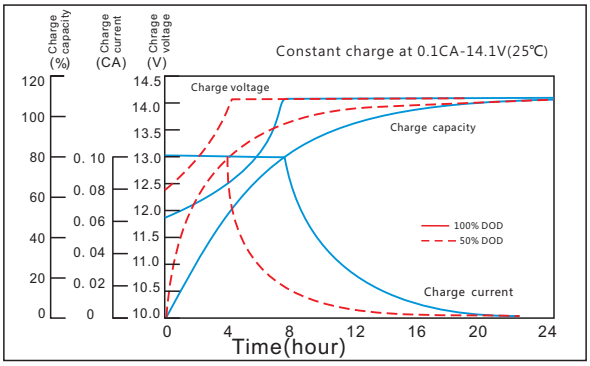
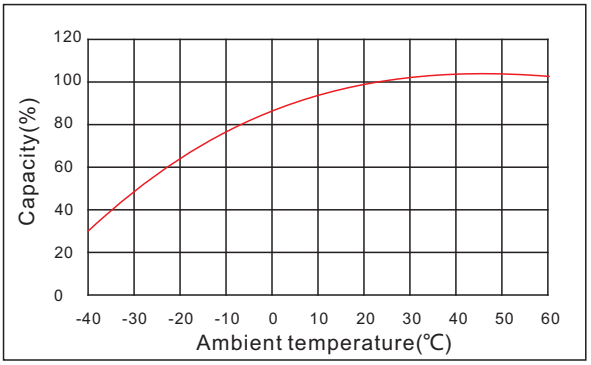
Discharge characteristic



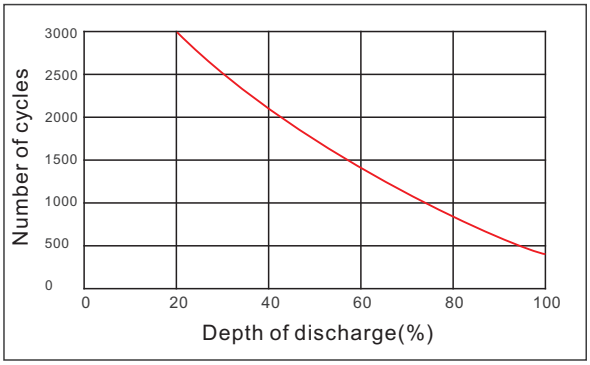
Charging characteristic



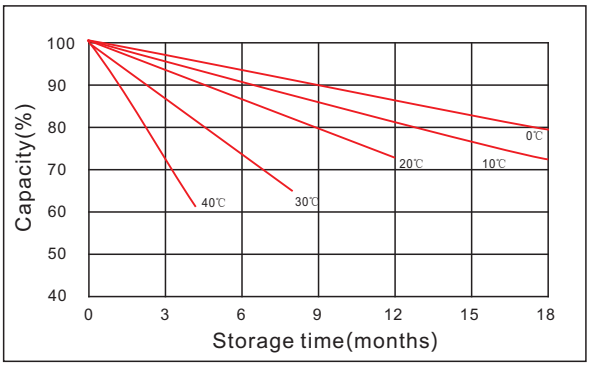
The effect of temperature on capacity



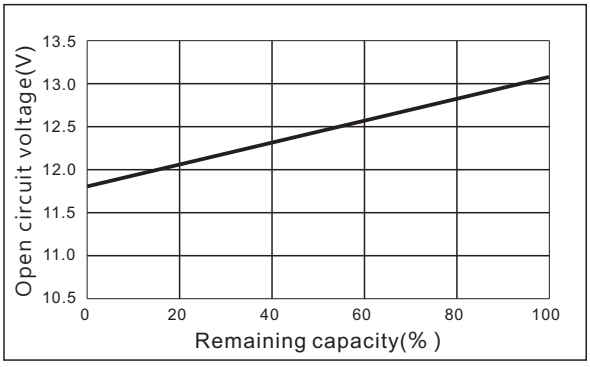
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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