京九电源
KIJO BATTERY

JLG Series Pure GEL battery

JLG12-75

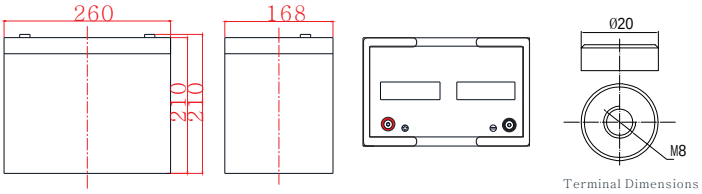
Applications

- 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:260(L)×168(W) ×210(H)×210(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	75Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 21.5kg (47.4lbs)	
Container Material	ABS	
Rated Capacity	75.0Ah	20Hour Rate (3.75A to 10.5V)
	57.0Ah	3Hour Rate (19.0A to 10.2V)
	42.0Ah	1Hour Rate (42.0A to 9.6V)
Internal resistance	Full charged at 25°C:	8.5 mΩ
Max. Discharge Current	900A(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. 18.75A ; Recom.7.5A
	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	75.0	42.0	24.2	19.4	13.1	8.39	7.07	3.80
1.65V	73.6	41.7	24.0	19.3	13.0	8.31	7.00	3.79
1.70V	72.1	41.5	23.8	19.0	12.8	8.24	6.94	3.77
1.75V	71.5	40.8	23.4	18.8	12.7	8.16	6.87	3.75
1.80V	68.4	39.8	23.0	18.7	12.4	8.15	6.80	3.73
1.85V	62.5	36.9	21.8	17.6	11.7	7.78	6.60	3.66

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	136	79.7	45.5	37.0	24.8	16.3	13.6	7.53
1.65V	135	79.0	45.4	36.6	24.6	16.2	13.5	7.50
1.70V	134	78.3	45.3	36.3	24.5	16.1	13.3	7.46
1.75V	133	77.6	45.0	36.1	24.3	16.0	13.2	7.43
1.80V	130	76.9	44.8	36.0	24.0	15.9	13.1	7.39
1.85V	119	71.4	42.8	34.3	22.9	15.3	12.8	7.32

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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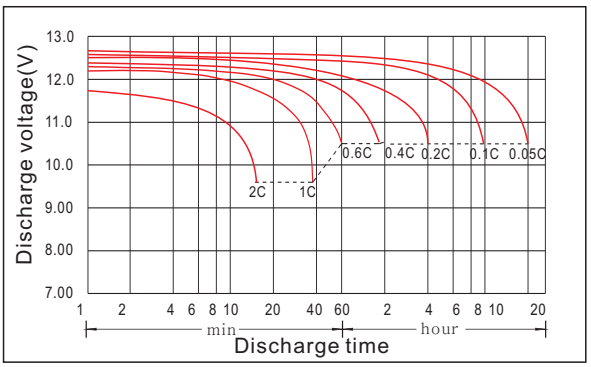
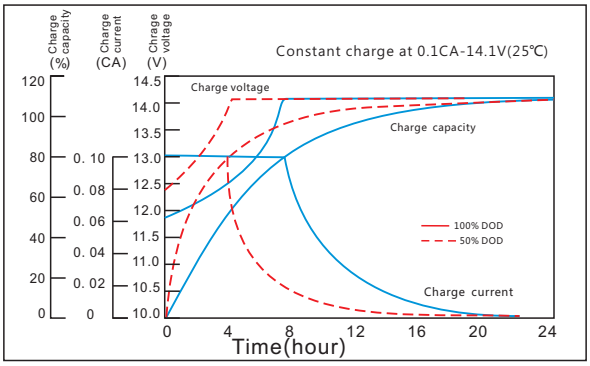
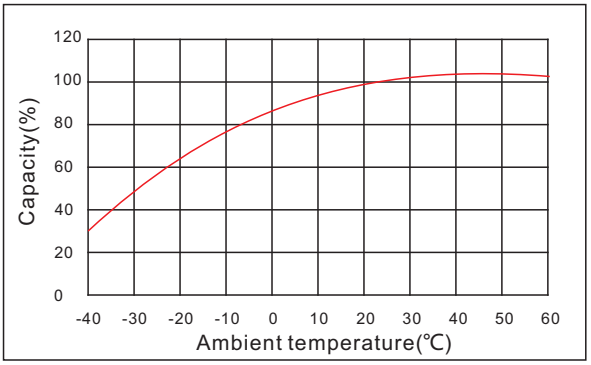
Discharge characteristic



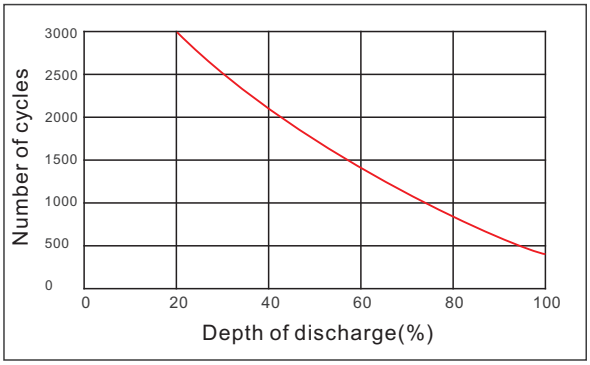
Charging characteristic



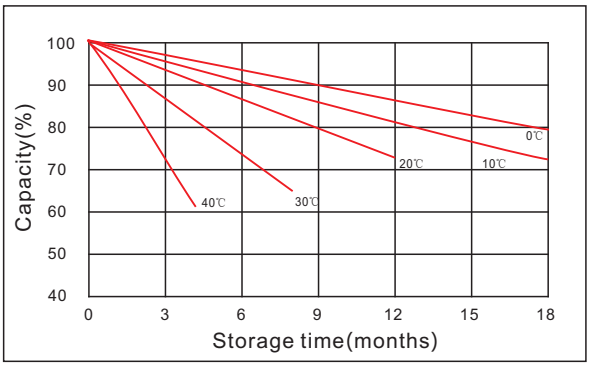
The effect of temperature on capacity



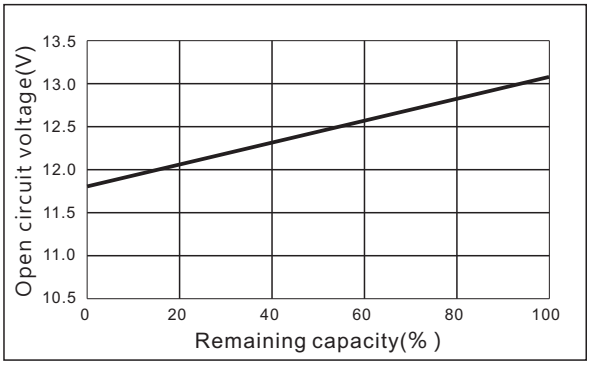
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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