京九电源
KIJO BATTERY

JLG Series Pure GEL battery

JLG12-210

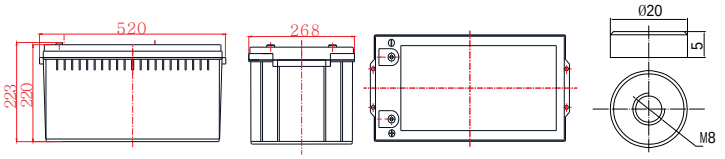
Applications

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



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	210Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 66.5kg (146.6lbs)	
Container Material	ABS	
Rated Capacity	210Ah	20Hour Rate (10.5A to 10.5V)
	165Ah	3Hour Rate (55.0A to 10.2V)
	116Ah	1Hour Rate (116A to 9.6V)
Internal resistance	Full charged at 25°C:	5.0 mΩ
Max. Discharge Current	2520A(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. 52.5A ; Recom.21.0A
	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	180	116	66.3	56.3	37.8	24.7	20.8	10.8
1.65V	177	115	65.9	55.9	37.6	24.4	20.6	10.7
1.70V	173	114	65.4	55.0	37.1	24.2	20.4	10.6
1.75V	172	112	64.4	54.3	36.7	24.1	20.2	10.5
1.80V	164	109	63.3	54.1	35.8	24.0	20.0	10.4
1.85V	150	101	60.0	51.0	34.0	22.9	19.4	10.3

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	325	219	126	107	71.8	48.0	40.0	21.1
1.65V	323	217	125	106	71.3	47.6	39.6	21.0
1.70V	322	215	124	105	70.9	47.3	39.1	20.9
1.75V	320	214	123	104	70.4	47.1	38.9	20.8
1.80V	312	212	122	103	69.5	46.7	38.4	20.7
1.85V	286	196	118	99.8	66.4	45.1	37.8	20.5

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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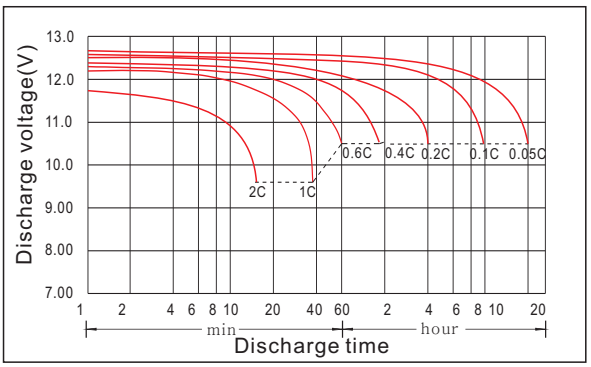
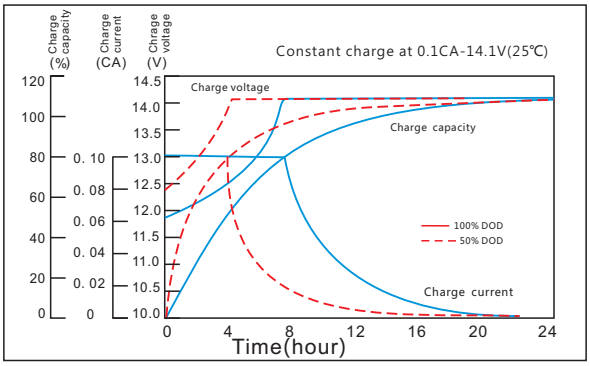
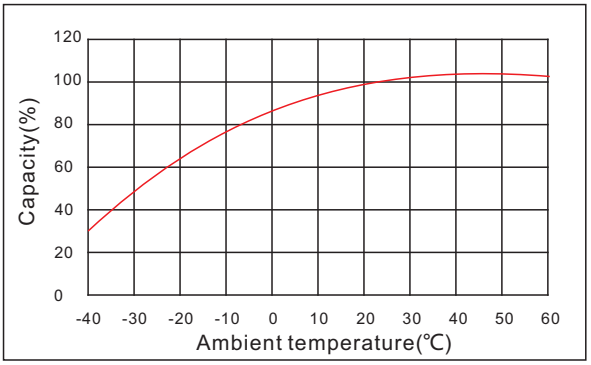
Discharge characteristic



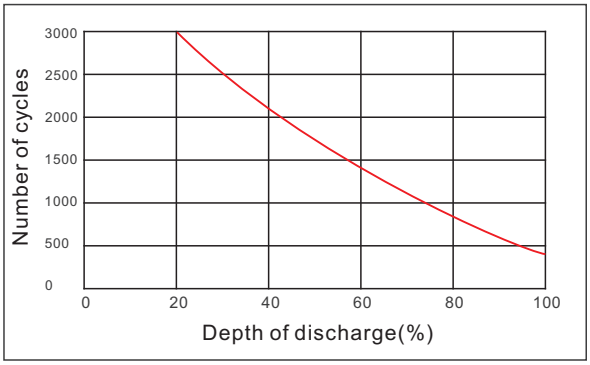
Charging characteristic



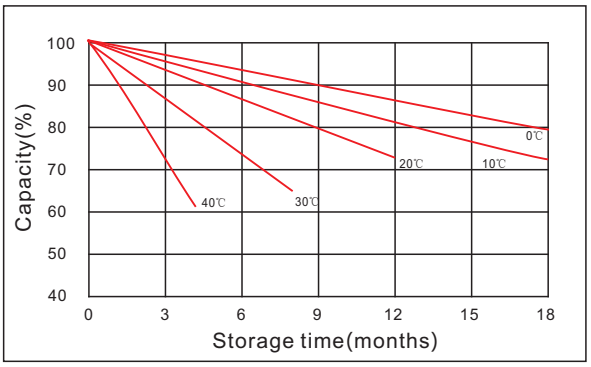
The effect of temperature on capacity



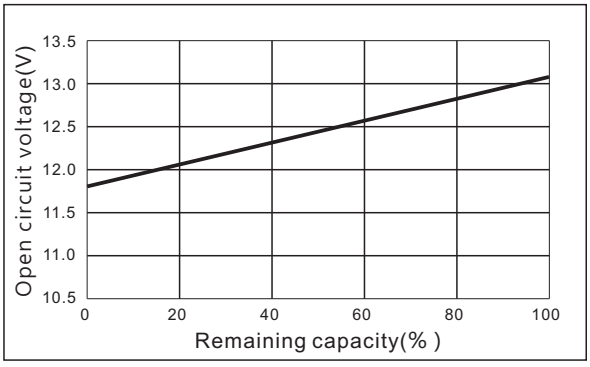
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kijo.com.cn info@kijo.com.cn +86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power Science&Technology Co. Ltd.
Add:1388 Fushan No.1 Street, Xiaolan Economic Development Zone,Nanchang City,Jiangxi Province,China.

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, jiujiang City, Jiangxi Province, China.