

JLG12-90



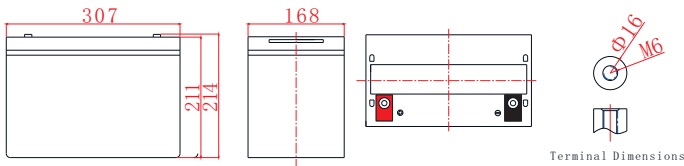
JLG Series Pure GEL battery

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



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	90Ah
Design life	15 years
Terminal	M6
Approx. Weight	Approx 28.5kg (62.9lbs)
Container Material	ABS
Rated Capacity	101.2Ah 20Hour Rate (5.06A to 10.5V)
	90.0Ah 10Hour Rate (9.00A to 10.5V)
	85.5Ah 5Hour Rate (17.1A to 10.5V)
Internal resistance	Full charged at 25°C: 5.4 mΩ
Max. Discharge Current	1080A(5S)
Operating Temperature	Discharge: -40 ~60°C (-40 ~ 140°F)
	Charge: -20 ~50°C (-4 ~ 122°F)
	Storage: -20 ~50°C (-4 ~ 122°F)
Charge current:	Max. 22.5A; Recom. 9.0A
Charge Method (25°C)	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°C, 77°F)

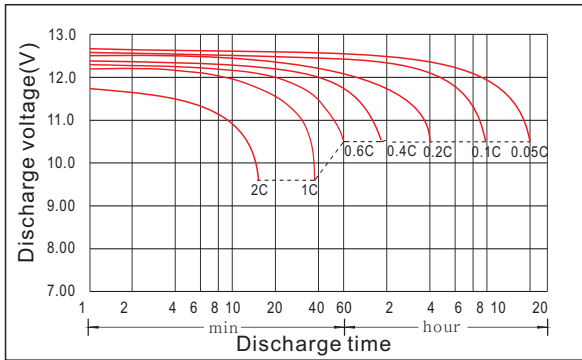
F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	331.00	178.00	108.00	63.30	36.30	26.30	17.7	11.61	9.29	5.13
1.65V	321.00	173.00	106.00	62.90	36.10	26.10	17.5	11.52	9.19	5.1
1.70V	308.00	169.00	105.00	62.50	35.80	25.70	17.3	11.42	9.10	5.08
1.75V	284.00	163.00	104.00	61.50	35.30	25.40	17.1	11.33	9.00	5.06
1.80V	254.00	152.00	99.10	60.00	34.60	25.20	16.7	11.24	8.91	5.03
1.85V	227.00	136.00	90.50	55.50	32.90	23.80	15.8	10.77	8.63	4.94

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

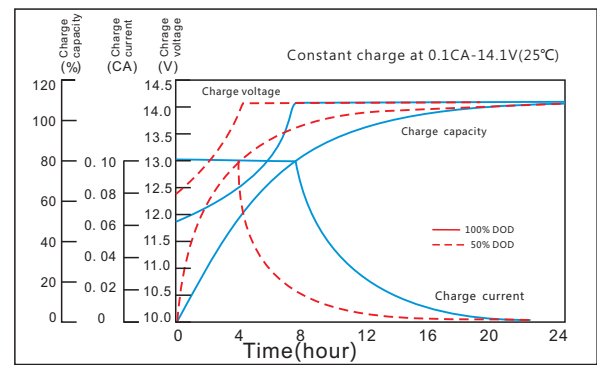
F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	555	313	196	120	68.6	50.1	33.5	22.6	18.8	10.2
1.65V	534	308	194	119	68.4	49.5	33.3	22.4	18.6	10.1
1.70V	531	304	194	118	68.2	49.2	33.1	22.3	18.4	10.1
1.75V	496	302	193	117	67.8	48.9	32.9	22.1	18.2	10.0
1.80V	455	286	188	116	67.6	48.7	32.5	21.9	18.0	9.96
1.85V	406	256	173	108	64.6	46.3	31.0	21.2	17.8	9.87

JLG12-90

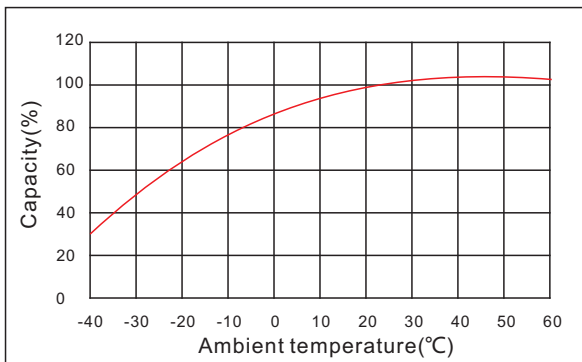
Discharge characteristic



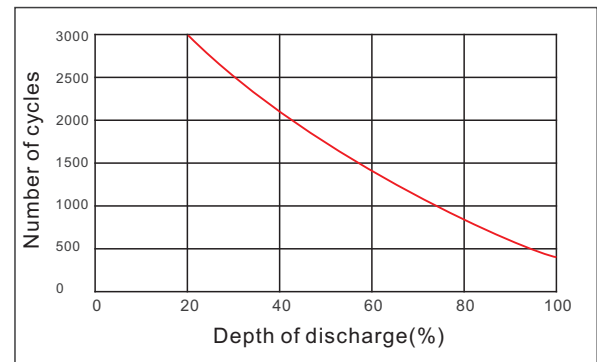
Charging characteristic



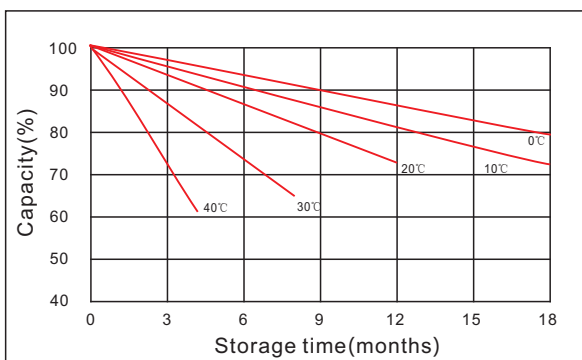
The effect of temperature on capacity



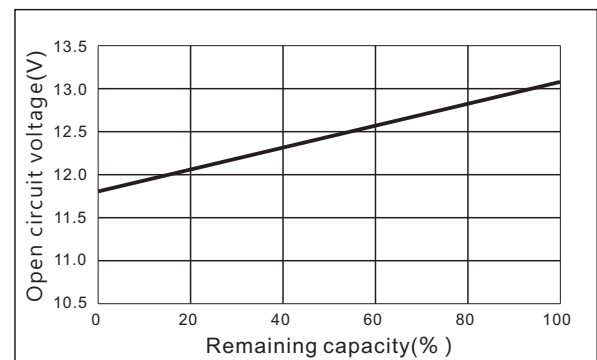
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kijo.com.cn info@kijo.com.cn

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

+86-791-85982779 +86-791-85989842

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

