



# JLG Series Pure GEL battery JLG12-210

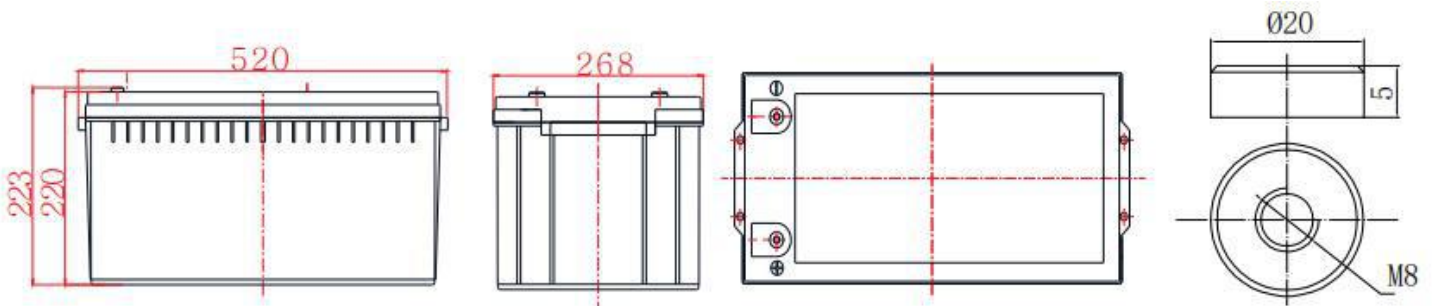
## General Features

- ▶ 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
short-circuit current	2400A
Internal resistance(Full charged at 25°C: )	5.0 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating Temperature	
Discharge:	-40 ~60°C(-40~ 140°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)
Charge Method(25 °C)	
Charge current:	Max. 52.5A; Recom. 21.0A
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)

## Applications

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

## Rated Capacity

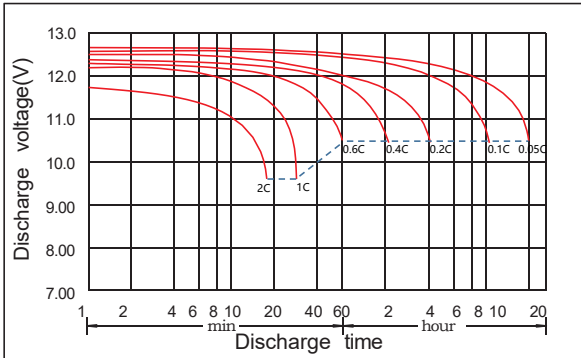
20Hour Rate (10.5A to 10.5V)	210.0Ah
3Hour Rate (55.0A to 10.2V)	165.0Ah
1Hour Rate (116A to 9.6V)	116.0Ah

## Attain Certificate

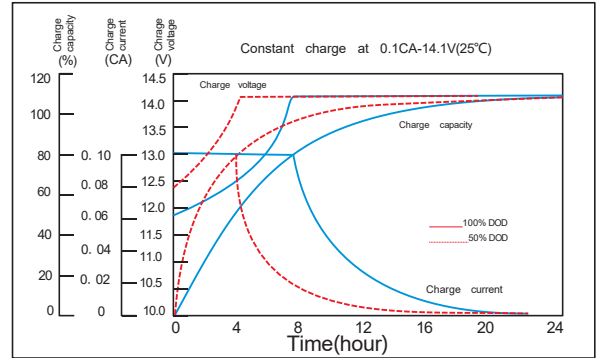


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

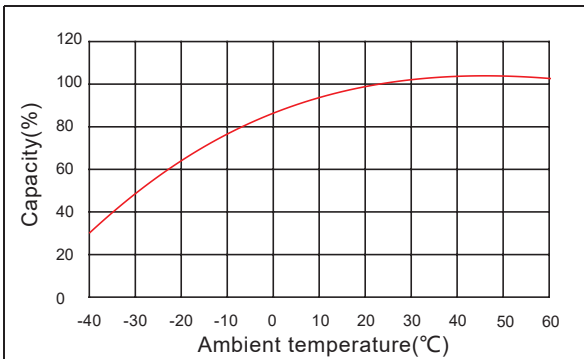
## Discharge characteristic



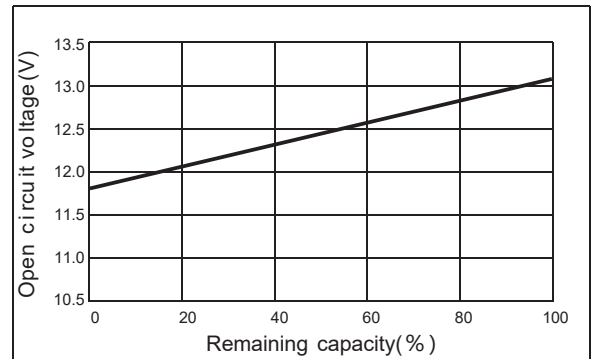
## Charging characteristic



## The effect of temperature on capacity



## Curves of open circuit voltage vs. capacity



### Constant Current Discharge Characteristics Unit:A (25°C,77°F)

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°C,77°F)

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