



JLG Series Pure GEL battery JLG12-75

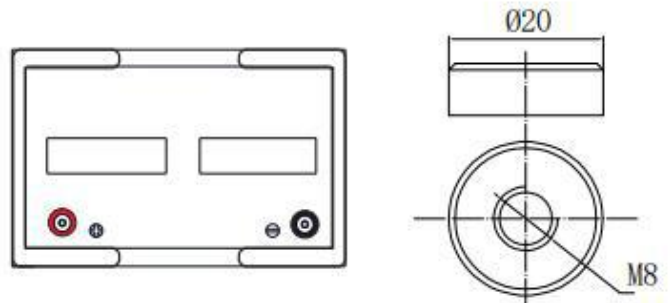
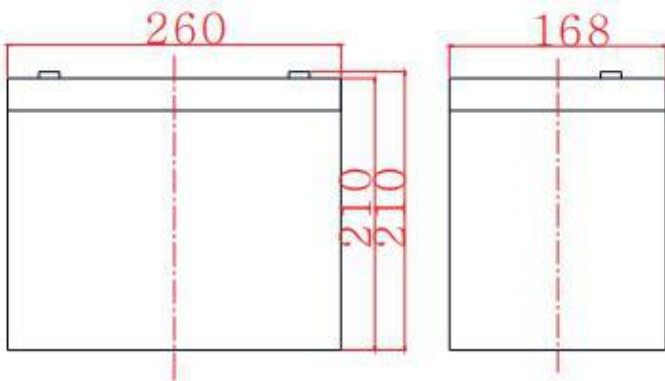
General Features

- ▶ 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
short-circuit current	1411A
Internal resistance(Full charged at 25°C:)	8.5 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. 18.75A; Recom. 7.5A
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)

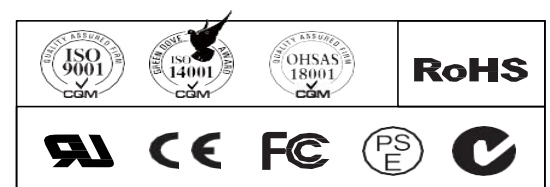
Applications

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

Rated Capacity

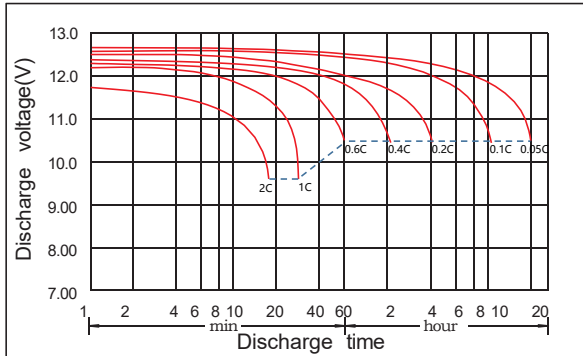
20Hour Rate (3.75A to 10.5V)	75.0Ah
3Hour Rate (19.0A to 10.2V)	57.0Ah
1Hour Rate (42.0A to 9.6V)	42.0Ah

Attain Certificate

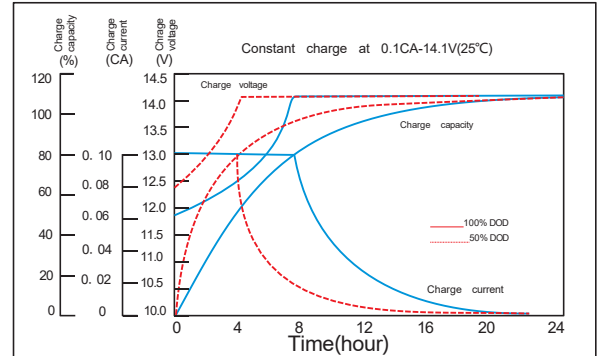


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

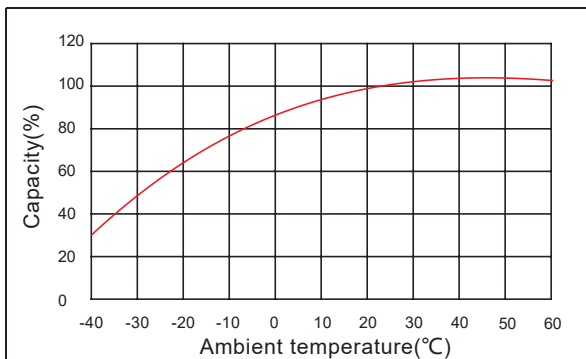
Discharge characteristic



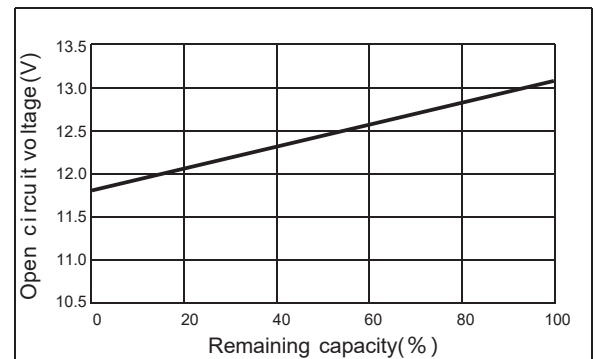
Charging characteristic



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	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°C,77°F)

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