



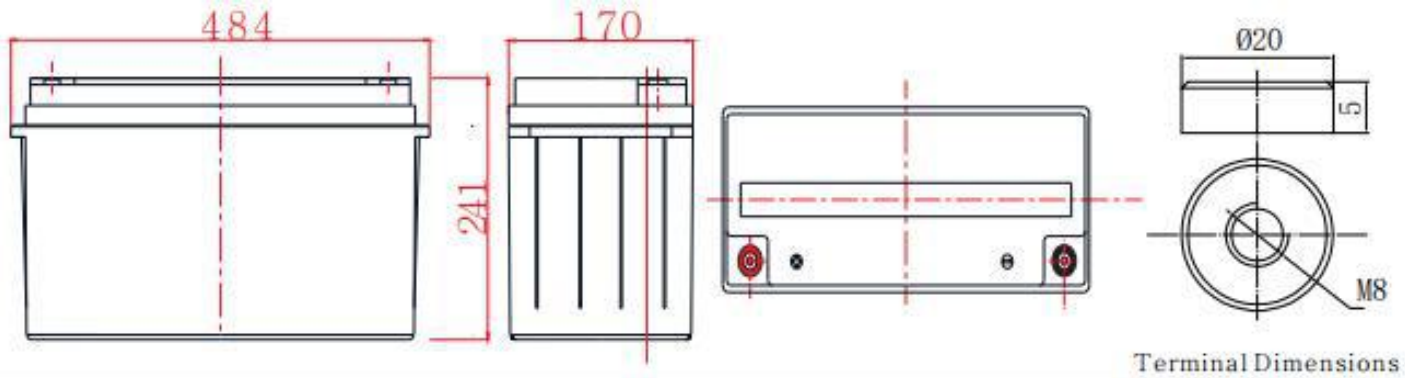
JLG Series Pure GEL battery JLG12-150

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: 484(L) × 170(W) × 241(H) × 241(TH) Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 42.5kg (93.7lbs)
Container Material	ABS
short-circuit current	1558A
Internal resistance(Full charged at 25°C:)	7.7 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. 37.5A;Recom.15.0A
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

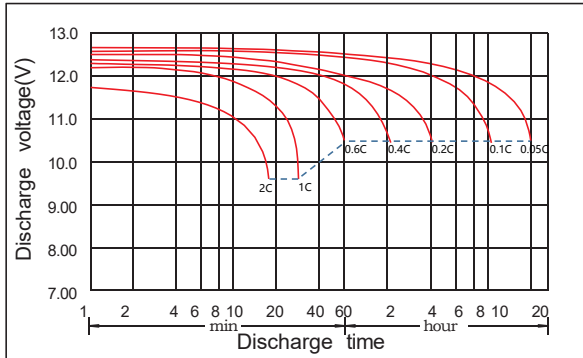
20Hour Rate (7.50A to 10.5V)	150.0Ah
3Hour Rate (38.0A to 10.2V)	114.0Ah
1Hour Rate (87.4A to 9.6V)	87.4Ah

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.

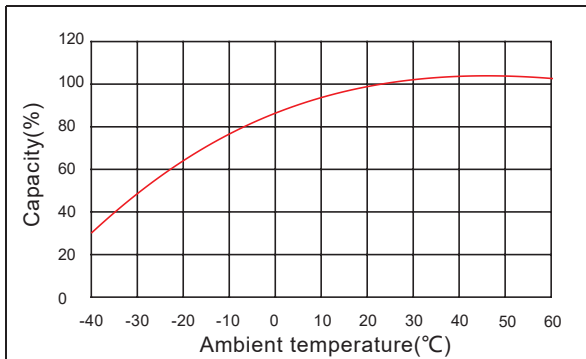
Discharge characteristic



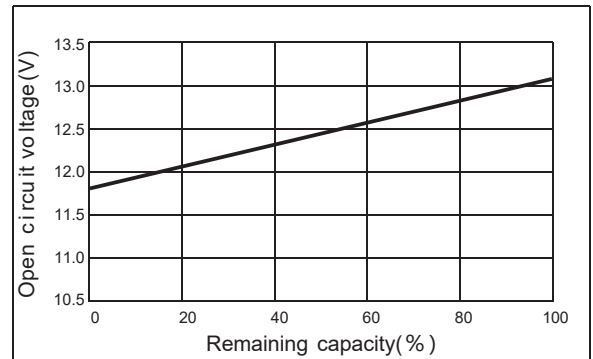
Charging characteristic



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	150	87.4	50.2	38.9	26.1	17.8	15.0	7.61
1.65V	147	86.9	49.9	38.6	25.9	17.6	14.9	7.58
1.70V	144	86.3	49.5	38.0	25.6	17.5	14.7	7.53
1.75V	143	85.0	48.8	37.5	25.3	17.4	14.6	7.50
1.80V	137	82.8	47.9	35.4	24.7	17.3	14.4	7.47
1.85V	125	76.7	45.4	35.2	23.5	16.5	14.0	7.30

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	271	166	94.8	74.1	49.5	34.6	28.9	15.1
1.65V	269	165	94.5	73.2	49.2	34.3	28.5	15.0
1.70V	268	163	94.2	72.7	48.9	34.1	28.3	14.9
1.75V	267	162	93.6	72.7	48.6	34.0	28.2	14.8
1.80V	260	160	93.3	72.1	48.0	33.7	27.7	14.7
1.85V	238	149	89.1	68.5	45.8	32.5	27.2	14.6