



JLG Series Pure GEL battery JLG6-190

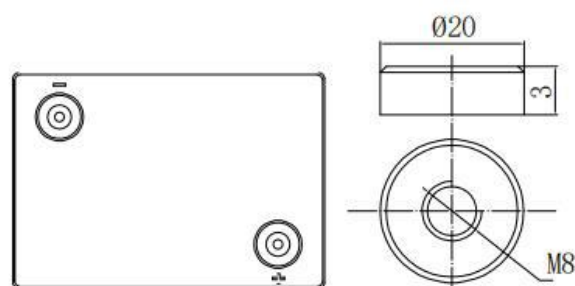
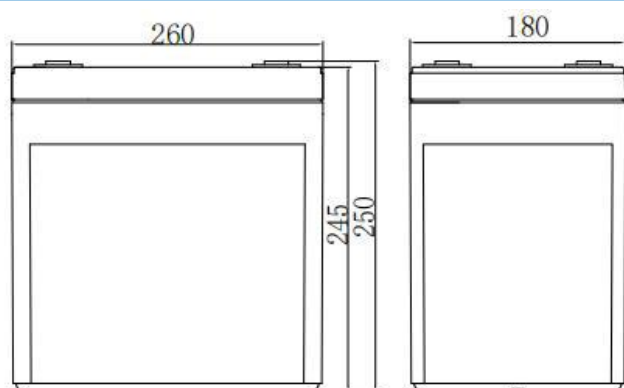
General Features

- 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) × 180(W) × 245(H) × 250(TH)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	6V
Nominal Capacity	190Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 26.6kg (58.6lbs)
Container Material	ABS
short-circuit current	2142A
Internal resistance(Full charged at 25°C:)	2.8 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. 47.5A; Recom. 19.0A
Float charge: 6.75-6.90V	recom. 6.90V(-9mV/ °C)
Equalize charge: 6.90-7.05V	recom. 7.05V(-12mV/ °C)
Cycle charge: 7.20-7.50V	recom. 7.35V(-15mV/ °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 (9.50A to 5.25V)	190.0Ah
3Hour Rate (50.0A to 5.10V)	150.0Ah
1Hour Rate (100A to 4.80V)	100.0Ah

Attain Certificate

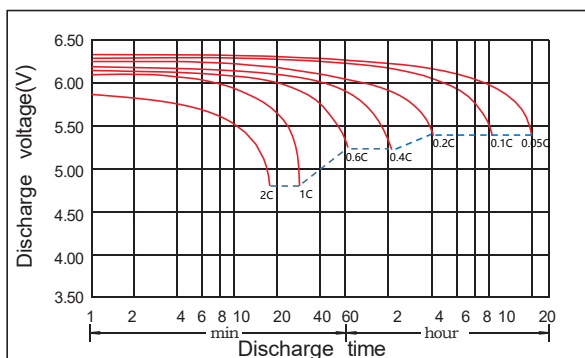
ISO 9001 CGM	ISO 14001 CGM	OHSAS 18001 CGM	RoHS
UL	CE	FC	PS E

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.

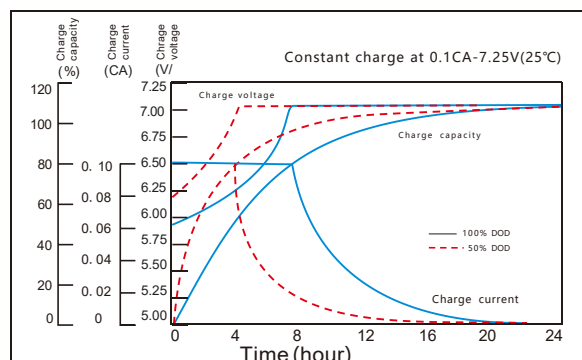


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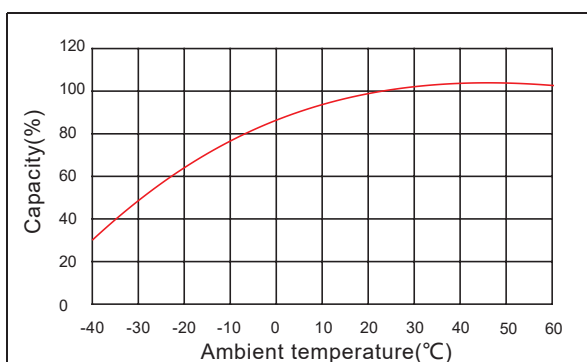
Discharge characteristic



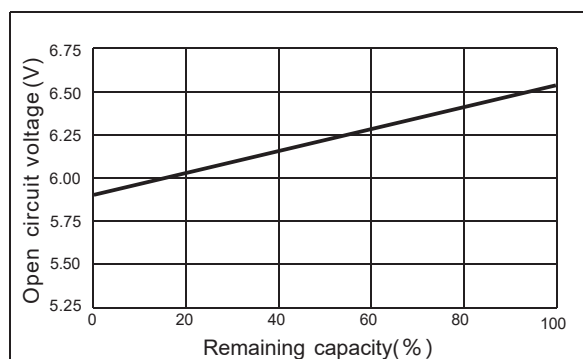
Charging characteristic



The effect of temperature on capacity



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	160	100	57.4	51.2	34.4	21.0	17.7	9.64
1.65V	157	99.3	57.1	50.8	34.2	20.8	17.5	9.60
1.70V	154	98.7	56.6	50.0	33.7	20.6	17.3	9.54
1.75V	153	97.2	55.8	49.4	33.3	20.5	17.2	9.50
1.80V	146	94.7	54.8	49.2	32.5	20.4	17.0	9.46
1.85V	133	87.8	52.0	46.3	30.9	19.5	16.5	9.28

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	289	190	109	97.6	65.2	40.8	34.0	19.1
1.65V	287	188	108	96.3	64.8	40.4	33.6	19.0
1.70V	286	187	107	95.7	64.4	40.2	33.2	18.9
1.75V	285	185	106	95.1	64.0	40.0	33.1	18.8
1.80V	277	183	105	94.9	63.2	39.7	32.7	18.7
1.85V	254	170	102	90.2	60.4	38.3	32.1	18.6