京九电源
KIJO BATTERY

JLG Series GEL battery

JLG12-150

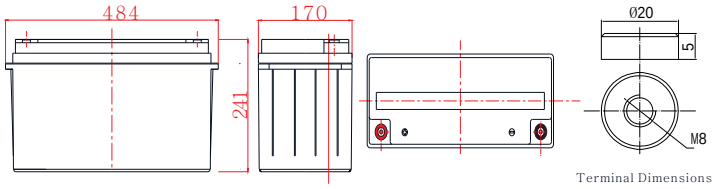
Applications

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

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



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx 44.5kg (98.1lbs)
Container Material	ABS
Rated Capacity	150.0Ah 20Hour Rate (7.50A to 10.5V) 119.7Ah 3Hour Rate (39.9A to 10.2V) 92.2Ah 1Hour Rate (92.2A to 9.6V)
Internal resistance	Full charged at 25°C: 5.15 mΩ
Max. Discharge Current	1800A(5S)
Operating Temperature	Discharge: -40 ~60℃(-40~ 140°F) Charge: -20 ~50℃(-4~ 122°F) Storage: -20 ~50℃(-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)
Self discharge	3% of capacity declined per month at 25°C

Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	255	150	116	92.2	62.2	57.1	41.0	29.7	27.5	22.0	18.1	15.2	7.83
1.65V	301	301	242	147	115	91.8	61.5	56.3	40.6	29.4	27.3	21.8	17.9	15.1	7.72
1.70V	289	289	240	145	114	91.1	60.7	55.6	39.9	29.1	27.0	21.5	17.8	14.9	7.61
1.75V	266	266	237	144	113	90.0	60.4	54.9	39.5	28.9	26.7	21.4	17.6	14.8	7.50
1.80V	238	238	217	138	108	87.4	59.6	53.8	39.1	28.6	25.9	21.1	17.5	14.6	7.39
1.85V	212	212	196	125	100	81.2	57.8	51.2	37.0	27.7	24.7	20.5	16.8	14.2	7.21

Constant Power Discharge Characteristics Unit: W/cell (25℃, 77℉)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	459	270	215	176	121	111	79.5	57.6	53.4	42.8	35.2	29.7	15.3
1.65V	512	512	436	265	213	175	119	109	78.8	57.0	52.9	42.4	35.0	29.5	15.1
1.70V	491	491	431	261	211	174	118	108	77.4	56.4	52.3	41.8	34.8	29.1	14.9
1.75V	452	452	427	259	208	172	117	106	76.7	55.9	51.8	41.4	34.5	28.9	14.7
1.80V	404	404	390	248	200	167	116	104	75.9	55.4	50.3	40.9	34.1	28.5	14.5
1.85V	363	363	355	227	185	156	113	99.9	72.1	54.1	48.1	40.0	32.9	27.9	14.2

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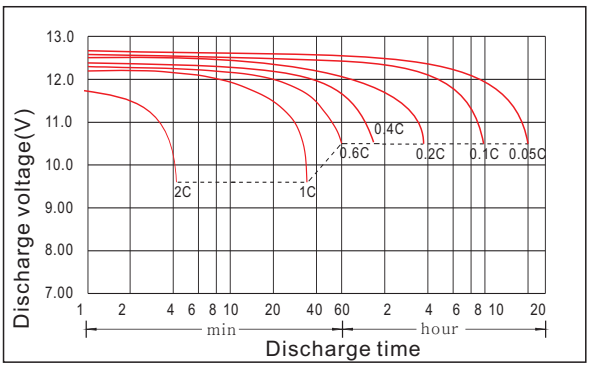
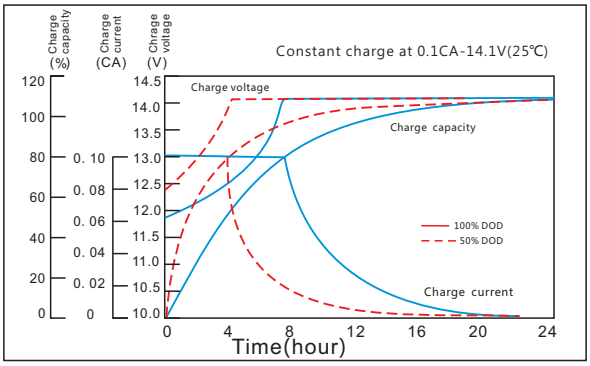
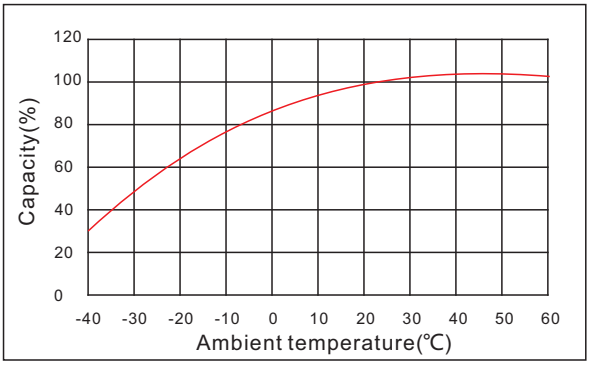
Discharge characteristic



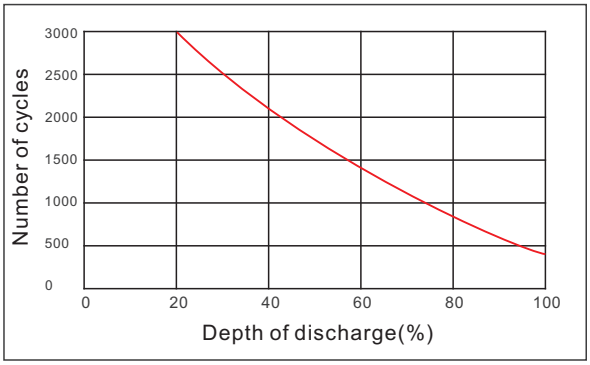
Charging characteristic



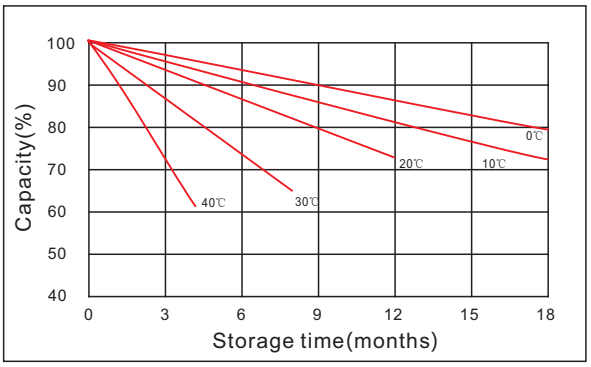
The effect of temperature on capacity



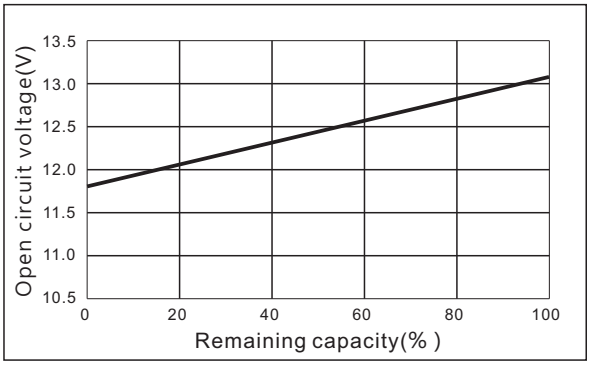
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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