京九电源
KIJO BATTERY

JLG Series Pure GEL battery

JLG12-150

Applications

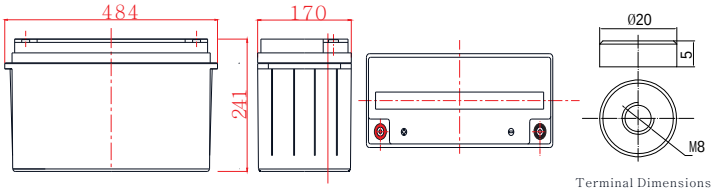
- Solar / wind energy and other new energy storage
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Other general purpose

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

RoHS

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



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	150Ah	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx 42.5kg (93.7lbs)	
Container Material	ABS	
Rated Capacity	150.0Ah	20Hour Rate (7.5A to 10.5V)
	114Ah	3Hour Rate (38.0A to 10.2V)
	87.4Ah	1Hour Rate (87.4A to 9.6V)
Internal resistance	Full charged at 25°C:	7.5 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.13.5V(-18mV/ °C)
	Equalize charge:	13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:	14.4-15.0V,recom.14.4V(-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	458	304	246	150	107	87.4	61.0	50.2	38.9	29.3	26.1	21.6	17.8	15.0	7.61
1.65V	443	302	239	147	107	86.9	60.6	49.9	38.6	29.1	25.9	21.5	17.6	14.9	7.58
1.70V	426	300	233	144	106	86.3	59.8	49.5	38.0	28.7	25.6	21.2	17.5	14.7	7.53
1.75V	391	296	225	143	104	85.0	59.4	48.8	37.5	28.5	25.3	21.0	17.3	14.6	7.50
1.80V	350	288	211	137	102	82.8	58.6	47.9	35.4	28.1	24.7	20.8	17.3	14.4	7.47
1.85V	313	267	187	125	94	76.7	56.9	45.4	35.2	27.3	23.5	20.2	16.5	14.0	7.30

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	772	518	435	271	199	166	122	94.8	74.1	57.7	49.5	42.3	34.6	28.9	15.1
1.65V	742	513	428	268	197	165	120	94.5	73.2	57.1	49.2	41.8	34.3	28.5	15.0
1.70V	737	509	422	268	196	163	119	94.2	72.7	56.4	48.9	41.4	34.1	28.2	14.9
1.75V	686	504	419	267	194	162	118	93.6	72.2	56.1	48.6	41.1	34.0	28.2	14.9
1.80V	630	500	396	260	192	160	117	93.3	72.1	55.4	48.0	40.7	33.7	27.7	14.8
1.85V	558	464	351	238	178	149	115	89.1	68.5	54.5	45.8	40.0	32.5	27.2	14.6

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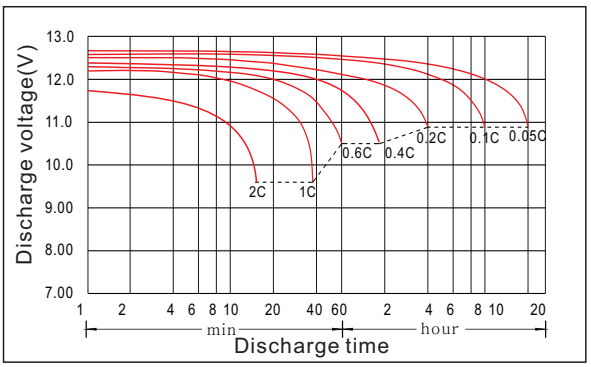
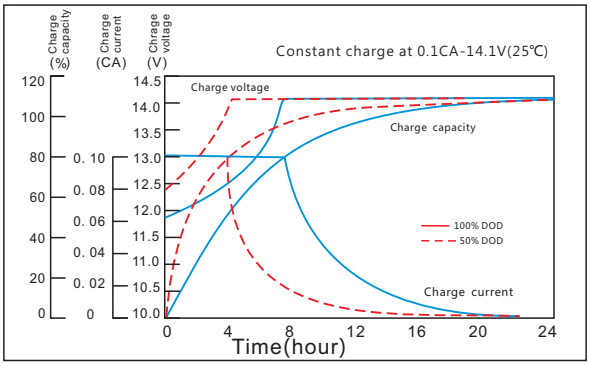
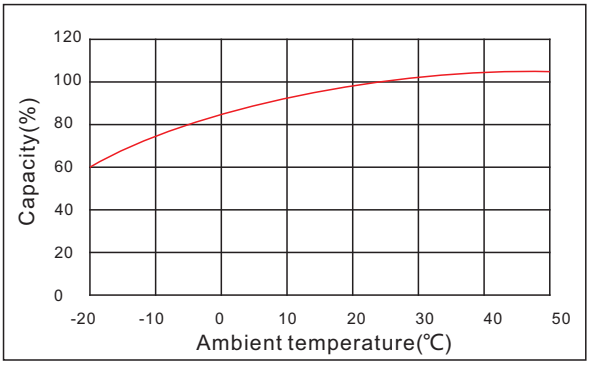
Discharge characteristic



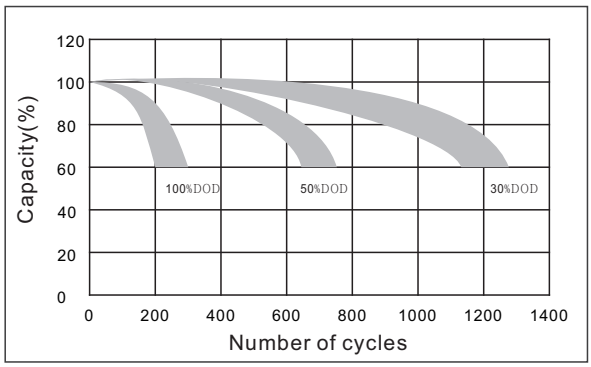
Charging characteristic



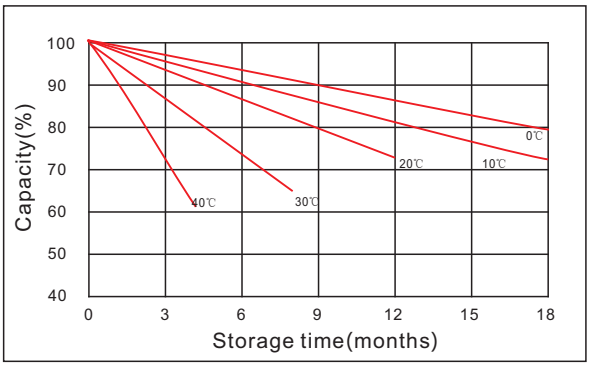
The effect of temperature on capacity



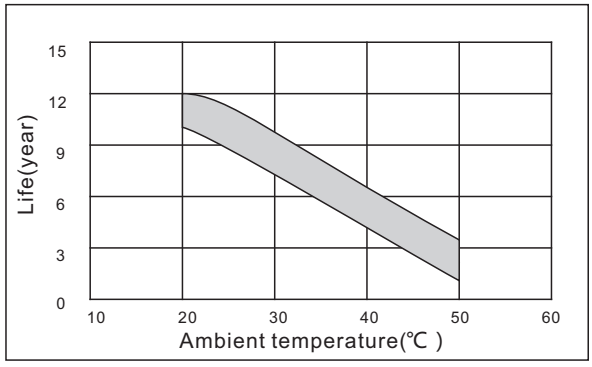
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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