京九电源
KIJO BATTERY

JLG Series Pure GEL battery

JLG12-150

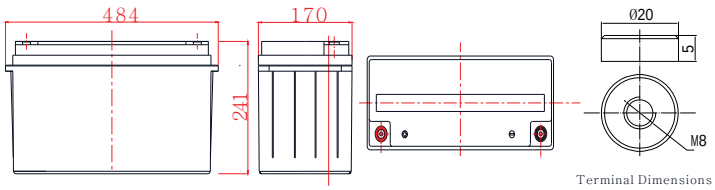
Applications

- 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

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 (98.11lbs)
Container Material	ABS
Rated Capacity	150Ah 20Hour Rate (7.5A to 10.5V) 117.0Ah 3Hour Rate (39.0A to 10.2V) 96.0Ah 1Hour Rate (96.0A to 9.6V)
Internal resistance	Full charged at 25°C: 5.0 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	503	334	270	164	118	96.0	60.2	55.0	39.9	28.9	26.8	21.3	17.6	14.8	7.61
1.65V	486	331	261	162	117	95.0	59.8	54.7	39.5	28.7	26.5	21.2	17.5	14.7	7.57
1.70V	467	331	256	159	117	95.0	59.0	54.3	39.0	28.3	26.2	20.9	17.3	14.5	7.53
1.75V	429	325	248	157	115	93.3	58.6	53.5	38.6	28.1	25.9	20.8	17.2	14.4	7.50
1.80V	386	316	231	150	112	90.9	58.2	52.5	38.3	27.9	25.3	20.6	17.0	14.3	7.46
1.85V	344	293	206	137	103	84.2	56.5	49.9	36.0	27.1	24.0	20.0	16.3	13.9	7.33

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	842	565	475	297	217	181	121	105	76.0	57.0	50.8	41.8	34.2	28.5	15.4
1.65V	809	562	466	295	216	180	119	104	75.0	56.4	50.5	41.4	33.9	28.2	15.3
1.70V	806	558	462	295	215	179	118	104	74.6	55.8	50.2	40.9	33.8	27.9	15.3
1.75V	751	555	459	293	214	178	117	103	74.2	55.2	49.9	40.5	33.5	27.6	15.2
1.80V	690	549	433	286	211	176	116	103	73.9	54.8	49.3	40.2	33.3	27.4	15.1
1.85V	616	509	388	262	196	163	114	97.9	70.2	54.0	47.0	39.6	32.1	27.0	15.0

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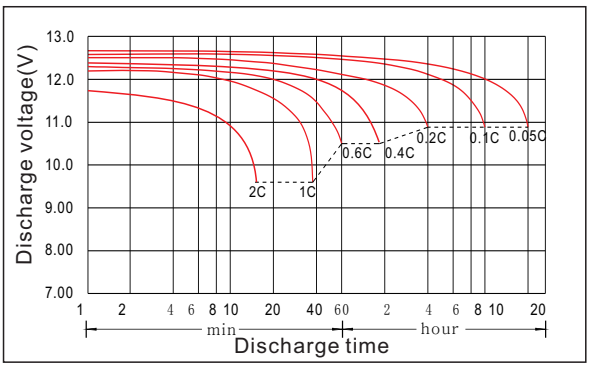
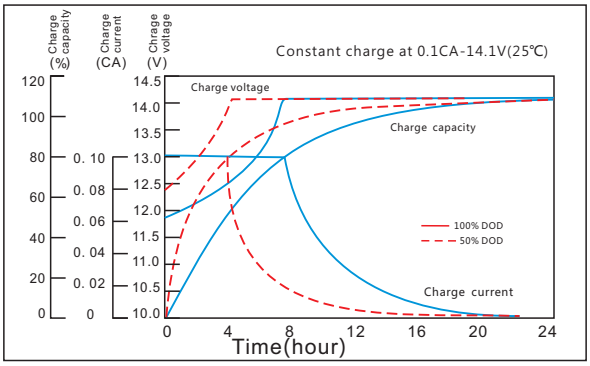
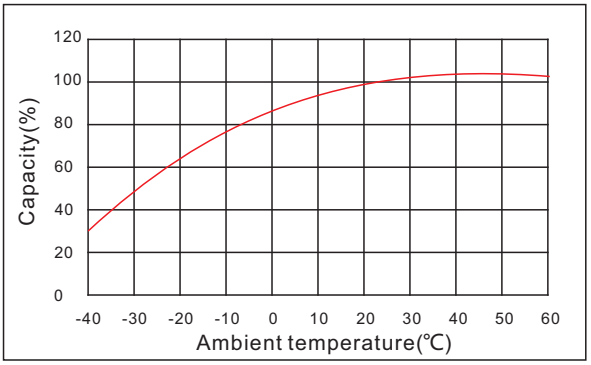
Discharge characteristic



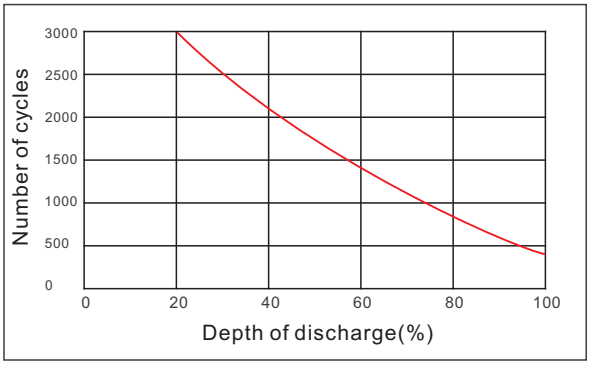
Charging characteristic



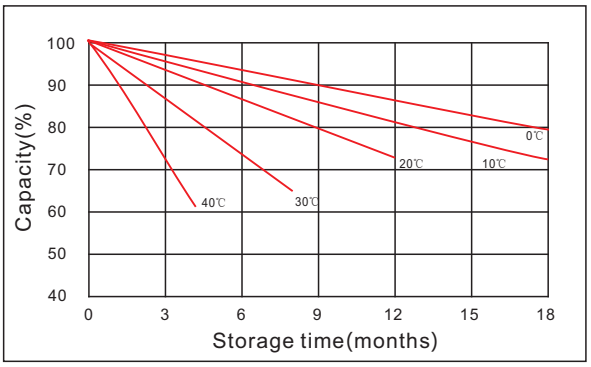
The effect of temperature on capacity



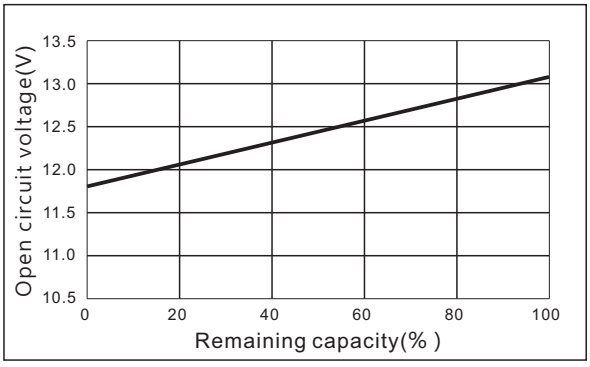
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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