Electric vehicle battery expert

KIJO京球电池

JJIUPOWER 京九电源

MODEL:6-DG-190型(12V120Ah)

General Features

- High Corrosion Resistant Performance
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Low self-discharge rate
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Excellent Deep Discharge Cycle Life

Dimension and Weight

Length	362mm±1.5mm
Width	172mm±1.5mm
Height	285mm±1.5mm
Total Height	285mm±1.5mm
Weight	36.0kg

Applications

electric vehicle
Sightseeing car
Golf cart
Electric vehicle
Garbage truck
Patrol car

Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (12.7A to 10.5V)	127Ah
5Hour Rate (24.0A to 10.5V)	120Ah
1Hour Rate (87.0A to 10.2V)	87Ah

Self discharge Rage:

3%/month(25℃)

Operating Temperature Range:

Discharge	-20℃~50℃(-4℉~122℉)
Charge	-20℃~50℃(-4℉~122℉)
Storage	-20℃~50℃(-4℉~122℉)

Charging Methods:

Floating Use	13.7V~13.9V(25℃)
Cycling Use	14.7V~14.9V(25℃)
Max Charge Current	18.0A

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

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	464	249	152	88.7	50.9	37.7	24.8	16.3	13.1	6.85
1.65V	450	242	149	88.2	50.6	37.3	24.5	16.1	12.9	6.81
1.70V	432	237	147	87.6	50.2	36.8	24.3	16.0	12.8	6.78
1.75V	397	229	145	86.3	49.5	36.4	24.0	15.9	12.7	6.75
1.80V	356	213	139	84.1	48.6	36.1	23.4	15.8	12.6	6.71
1.85V	318	190	127	77.9	46.1	34.0	22.2	15.1	12.2	6.60

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

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	778	439	275	168	96.2	71.7	47.0	31.6	25.1	13.6
1.65V	749	432	272	166	96.0	70.8	46.7	31.4	24.8	13.5
1.70V	745	427	272	165	95.6	70.4	46.4	31.2	24.6	13.4
1.75V	695	424	271	164	95.0	70.0	46.1	31.0	24.3	13.4
1.80V	638	401	264	163	94.8	69.7	45.6	30.7	24.1	13.3
1.85V	570	358	242	151	90.5	66.3	43.5	29.7	23.7	13.2

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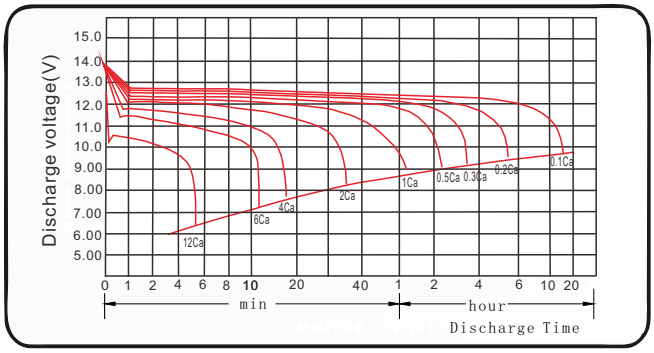
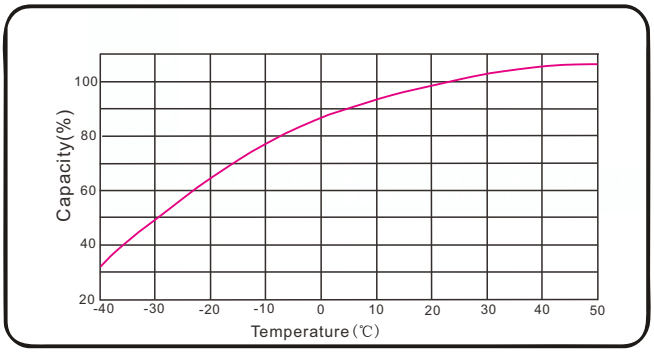
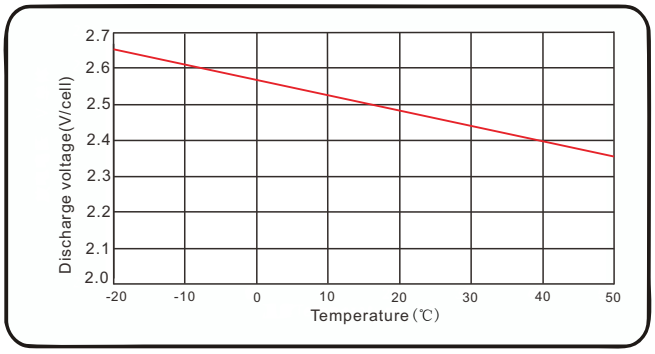
Discharge Characteristic Curve



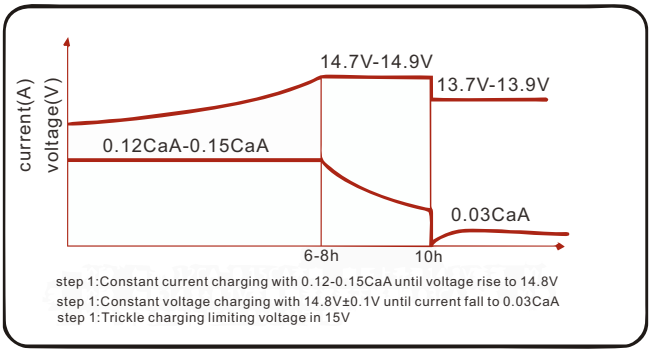
Effect of temperature on capacity



Effect of temperature on charge voltage

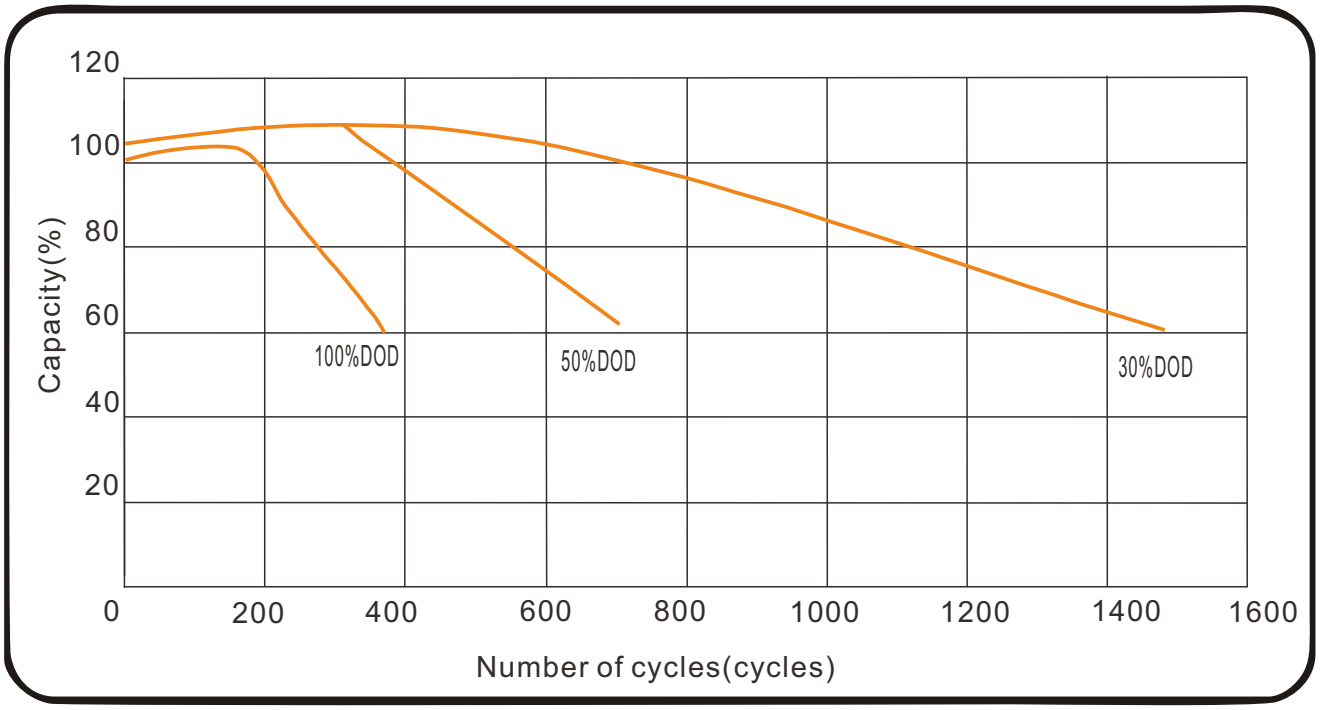


Charge Characteristic Curve



step 1:Constant current charging with 0.12-0.15CaA until voltage rise to 14.8V
step 1:Constant voltage charging with 14.8V±0.1V until current fall to 0.03CaA
step 1:Trickle charging limiting voltage in 15V

Cycle service life



Jiangxi Jingjiu Power Technology Co; Ltd.
Fushan Road 1388,Xiaolan Economic Development Zone,Nanchang City, Jiangxi Province
Email: info@kijo.com.cn
www.kijo.com.cn

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