京九电源
KIJO BATTERY

Electric vehicle battery expert

6-EVF-52.3

Applications

- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

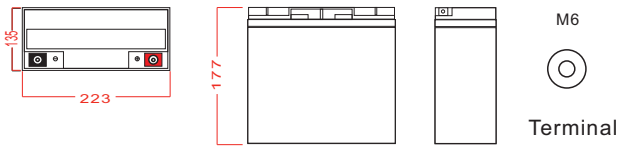
General Features

- High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Low self-discharge rate

Specification

Nominal Voltage	12V
Nominal Capacity	52.3Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx14.3kg (31.6lbs)
Container Material	ABS
Rated Capacity	55.0Ah 10Hour Rate (5.50A to 10.5V) 52.3Ah 3Hour Rate (17.4A to 10.5V) 43.5Ah 1Hour Rate (43.5A to 10.5V)
Operating Temperature	Discharge: -20 ~50℃(-4~ 122°F) Charge: -20 ~50℃(-4~ 122°F) Storage: -20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Float Use:13.7-13.9V@25℃ Cycle Use :14.7-14.9V,@25℃ Max charge current 10.4A
Self discharge	3% of capacity declined per month at 25°C

Dimension: 223(L)×136(W) ×177(H)×177(TH) Unit: mm



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

F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	240.4	139.7	81.5	44.7	25.2	18.0	10.98	6.89	5.66	3.25
1.65V	232.8	136.3	80.1	44.4	25.1	17.8	10.89	6.84	5.61	3.23
1.70V	223.1	133.9	78.8	44.1	24.9	17.6	10.79	6.78	5.55	3.21
1.75V	205.8	128.0	78.0	43.5	24.5	17.4	10.70	6.73	5.50	3.20
1.80V	184.1	120.9	74.6	42.3	24.1	17.2	10.42	6.67	5.45	3.18
1.85V	164.6	107.7	68.1	39.3	22.8	16.2	9.86	6.40	5.28	3.13

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

F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	402.8	246.6	147.4	84.6	47.6	34.2	20.84	13.36	10.91	6.43
1.65V	386.6	244.2	146.3	83.9	47.5	33.8	20.75	13.27	10.82	6.40
1.70V	385.5	241.8	146.3	83.2	47.3	33.6	20.56	13.27	10.64	6.37
1.75V	359.5	237.2	145.2	82.6	47.1	33.4	20.47	13.09	10.55	6.34
1.80V	329.2	226.4	141.8	81.9	46.9	33.3	20.28	13.00	10.45	6.31
1.85V	294.5	202.7	130.6	76.1	44.8	31.7	19.35	12.55	10.27	6.25

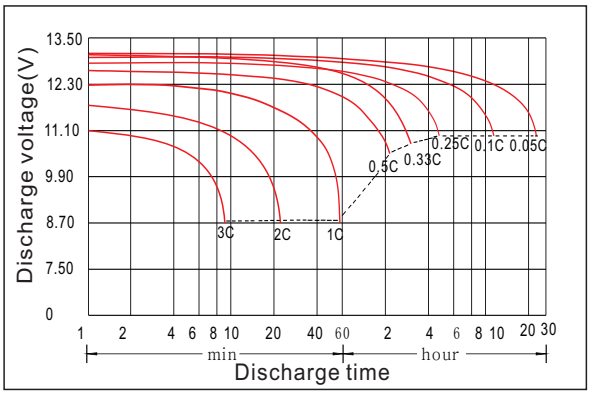
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

京九电源
KIJO BATTERY

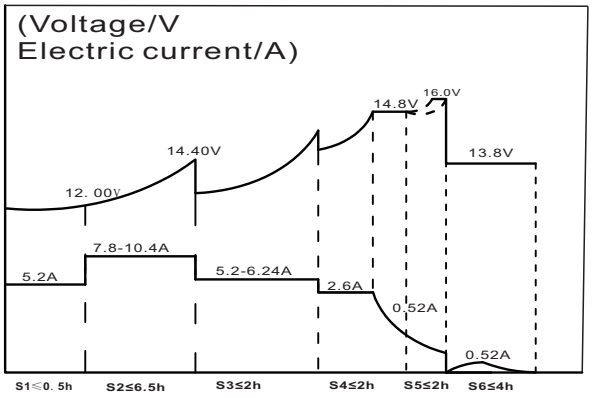
6-EVF-52.3

Electric vehicle battery expert

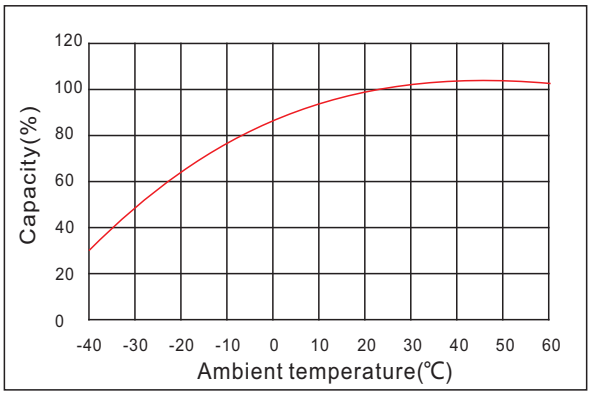
Discharge characteristic



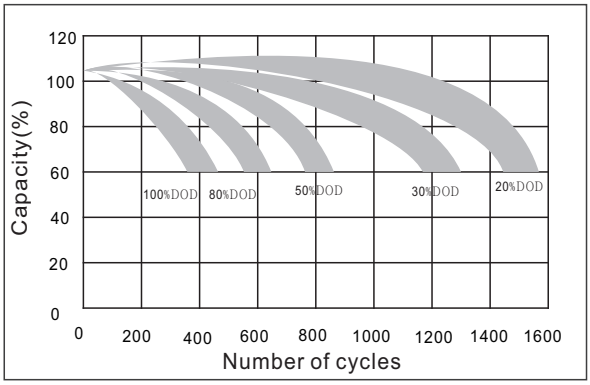
Charging characteristic



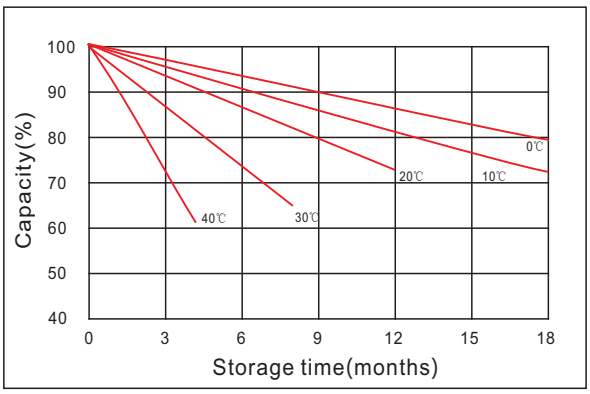
The effect of temperature on capacity



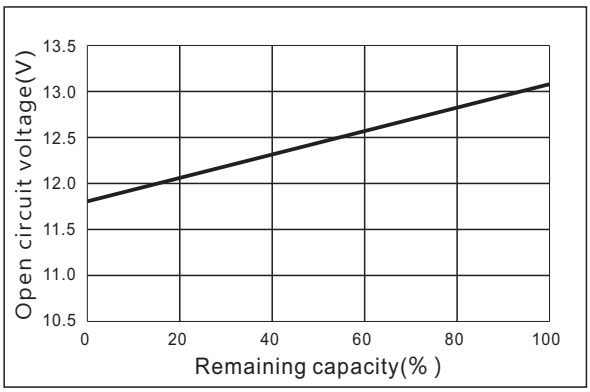
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kijo.com.cn info@kijo.com.cn +86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power Science&Technology Co. Ltd.
Add:1388 Fushan No.1 Street, Xiaolan Economic Development Zone,Nanchang City,Jiangxi Province,China.

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, jiujiang City, Jiangxi Province, China.