京九电源
KIJO BATTERY

Electric vehicle battery expert

6-DZF-20.9

Applications

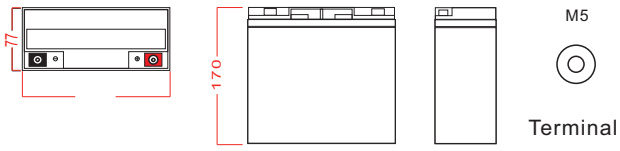
- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

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

RoHS

Dimension: 181(L)×77(W) ×170(H)×170(TH) Unit: mm



Specification

Nominal Voltage	12V	
Nominal Capacity	20Ah	
Design life	5 years	
Terminal	M5	
Approx. Weight	Approx6.35kg (14.03lbs)	
Container Material	ABS	
Rated Capacity	24.2Ah	10Hour Rate (2.42A to 10.5V)
	20.9Ah	2Hour Rate (10.45A to 10.5V)
	16.2Ah	1Hour Rate (16.2A 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 4.0A	
Self discharge	3% of capacity declined per month at 25°C	

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	95.5	51.2	29.9	16.7	10.72	7.44	4.75	3.06	2.49	1.304
1.65V	92.9	49.7	29.4	16.6	10.64	7.37	4.72	3.04	2.46	1.296
1.70V	89.3	48.6	28.9	16.5	10.54	7.27	4.64	2.99	2.44	1.288
1.75V	81.8	47.0	28.5	16.2	10.45	7.20	4.62	2.97	2.42	1.280
1.80V	73.3	43.7	27.4	15.8	10.27	7.16	4.50	2.90	2.39	1.272
1.85V	65.4	39.2	25.0	14.7	9.72	6.73	4.27	2.74	2.32	1.248

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	145.0	82.0	49.0	28.7	18.4	12.85	8.18	5.40	4.34	2.34
1.65V	139.7	80.4	48.7	28.4	18.4	12.68	8.14	5.35	4.32	2.33
1.70V	138.9	79.7	48.6	28.1	18.3	12.60	8.08	5.27	4.24	2.31
1.75V	129.1	79.1	48.4	27.9	18.2	12.55	8.01	5.25	4.21	2.30
1.80V	119.4	74.5	47.1	27.7	18.1	12.51	7.95	5.12	4.15	2.29
1.85V	106.1	66.9	43.1	25.8	17.4	11.92	7.58	4.88	4.08	2.27

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.

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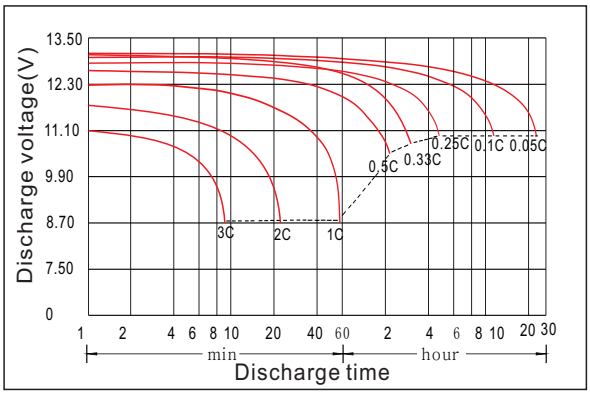
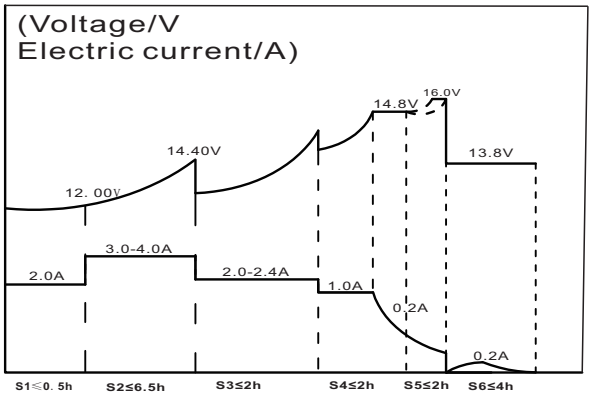
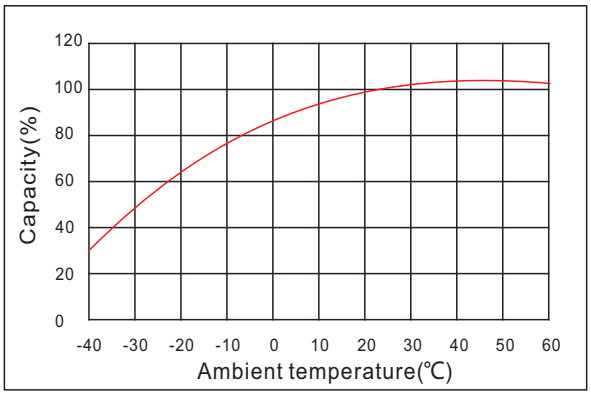
Discharge characteristic



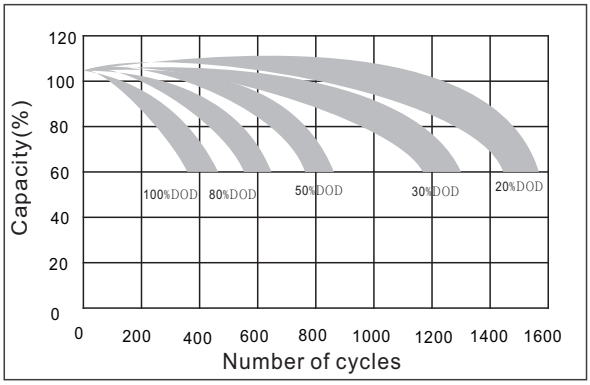
Charging characteristic



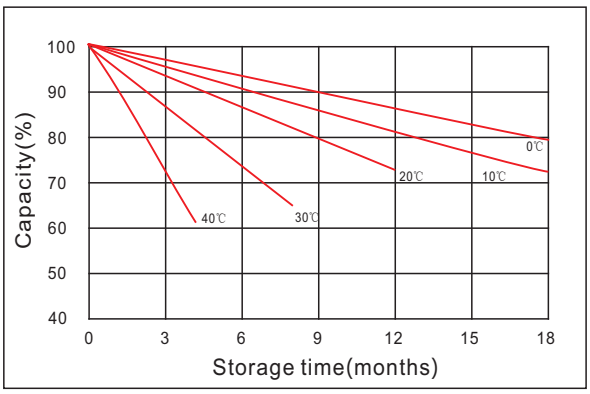
The effect of temperature on capacity



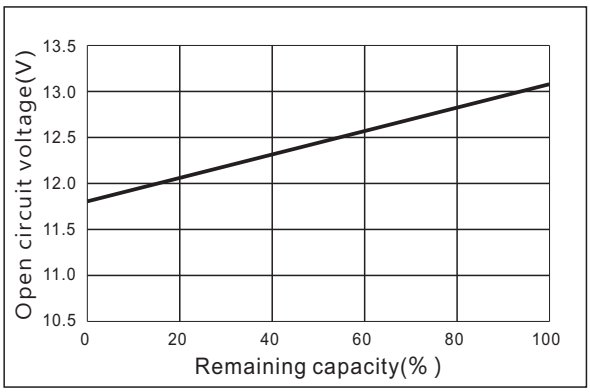
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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