京九电源
KIJO BATTERY

Electric vehicle battery expert

6-EVF-38

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	38.3Ah		
Design life	5 years		
Terminal	M5		
Approx. Weight	Approx 10.8kg (23.86lbs)		
Container Material	ABS		
Rated Capacity	42.0Ah	10Hour Rate	(4.20A to 10.5V)
	38.1Ah	3Hour Rate	(12.7A to 10.5V)
	30.1Ah	1Hour Rate	(30.1A 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 7.6A		
Self discharge	3% of capacity declined per month at 25°C		

Dimension: 223(L)×106(W) ×174(H)×174(TH) Unit: mm

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

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	175.4	94.0	56.0	34.1	18.5	13.1	8.34	5.36	4.32	2.44
1.65V	170.0	91.2	55.0	33.9	18.4	13.0	8.28	5.31	4.29	2.43
1.70V	163.5	89.1	54.1	33.7	18.3	12.8	8.16	5.27	4.24	2.42
1.75V	150.5	86.4	53.7	33.1	18.0	12.7	8.10	5.23	4.20	2.40
1.80V	134.3	80.2	51.3	32.1	17.7	12.6	7.92	5.19	4.15	2.39
1.85V	120.2	72.0	46.8	29.9	16.7	11.8	7.49	4.98	4.03	2.35

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

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	293.5	165.7	101.4	64.2	35.1	25.0	15.79	10.46	8.43	4.87
1.65V	282.6	162.4	100.8	63.8	35.0	24.6	15.79	10.27	8.37	4.85
1.70V	281.6	161.4	100.3	63.3	34.8	24.5	15.70	10.27	8.25	4.82
1.75V	262.1	160.3	100.1	62.8	34.6	24.4	15.50	10.17	8.18	4.80
1.80V	240.4	150.5	97.4	62.3	34.5	24.3	15.41	10.17	8.07	4.78
1.85V	214.4	1135	89.3	57.9	33.0	23.1	14.63	9.79	7.94	4.74

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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