京九电源
KIJO BATTERY

JH12-88W

JH Series High-Rate battery

Executive standard YD/T 3427-2018

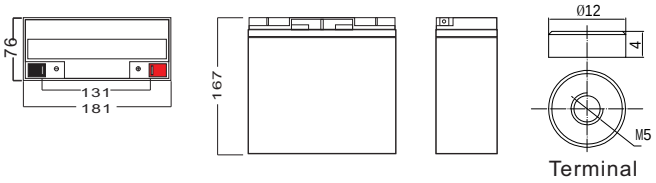
Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life

Dimension: 181(L)×76(W) ×167(H)×167(TH) Unit: mm



Terminal

Specification

Nominal Voltage	12V
Nominal Capacity	22Ah（88W@15min-rate to 1.67V per cell @25℃）
Design life	5 years
Terminal	M5
Approx. Weight	Approx 5.85kg (12.9lbs)
Container Material	ABS （UL94-HB, UL94-V0 Optional）
Rated Capacity	22.0Ah 20Hour Rate (1.10A to 10.5V) 17.6Ah 3Hour Rate (5.85A to 10.2V) 16.0Ah 1Hour Rate (16.0A to 9.6V)
Internal resistance	Full charged at 25°C: 13.6mΩ
Max. Discharge Current	220A(5S)
Operating Temperature	Discharge: -20 ~50℃(-4~ 122°F) Charge: -20 ~50℃(-4~ 122°F) Storage: -20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Charge current: Max. 5.5A ; Recom.2.2A 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	87.0	71.0	51.0	28.5	17.0	16.0	11.4	8.40	6.13	4.91	4.18	3.23	2.76	2.20	1.18
1.67V	76.4	62.7	47.7	27.1	16.9	15.3	10.9	8.07	5.96	4.76	4.09	3.20	2.71	2.18	1.15
1.70V	71.3	59.0	46.2	26.4	16.5	14.9	10.7	7.91	5.85	4.51	4.04	3.12	2.67	2.13	1.13
1.75V	63.8	53.5	43.6	25.3	16.2	14.4	10.3	7.71	5.76	4.44	3.87	3.07	2.60	2.09	1.10
1.80V	56.7	48.3	41.4	24.2	15.8	13.9	10.0	7.51	5.44	4.35	3.71	2.99	2.54	2.04	1.07
1.85V	50.0	43.3	35.5	21.4	15.3	12.6	9.12	7.26	5.26	4.21	3.59	2.89	2.46	1.97	1.03

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	139	114	93.1	52.8	32.9	30.0	21.5	15.8	11.6	9.30	7.89	6.25	5.20	4.26	2.33
1.67V	128	105	88.0	50.8	32.3	28.9	20.8	15.2	11.2	9.00	7.74	6.13	5.12	4.18	2.27
1.70V	121	100	86.2	49.6	32.1	28.4	20.4	14.8	11.1	8.55	7.51	6.09	5.07	4.15	2.25
1.75V	112	93.6	82.1	48.0	31.3	27.6	19.9	14.5	10.9	8.44	7.37	5.94	4.86	4.05	2.20
1.80V	102	86.9	78.5	46.5	30.7	26.8	19.4	14.4	10.6	8.37	7.18	5.82	4.70	3.97	2.19
1.85V	92.4	80.2	68.2	41.3	29.7	24.4	17.8	13.9	10.3	8.09	6.94	5.63	4.54	3.84	2.12

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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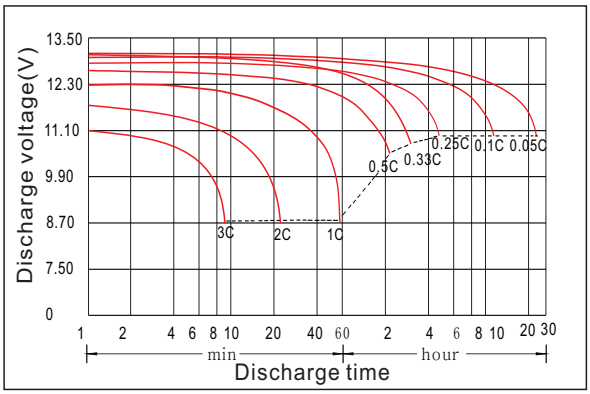
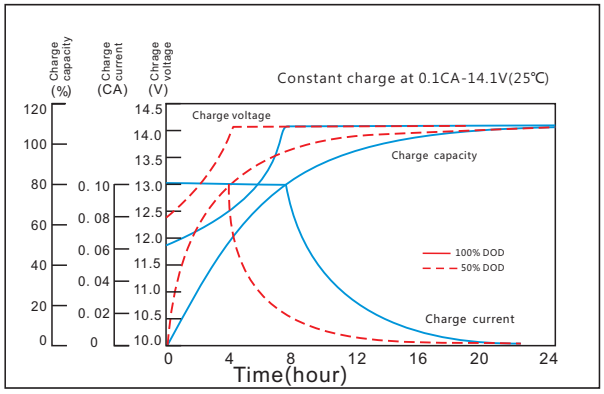
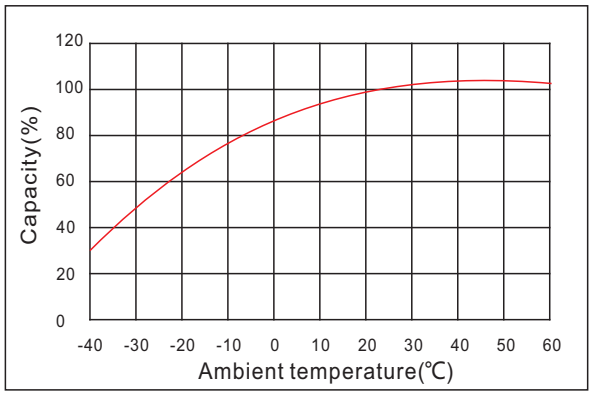
Discharge characteristic



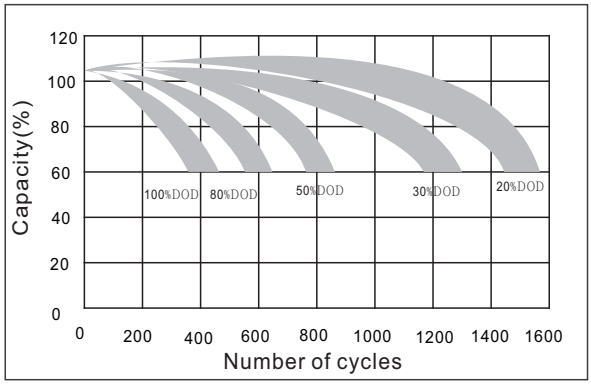
Charging characteristic



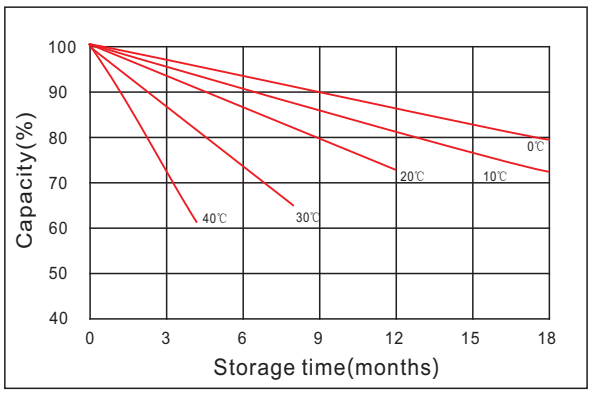
The effect of temperature on capacity



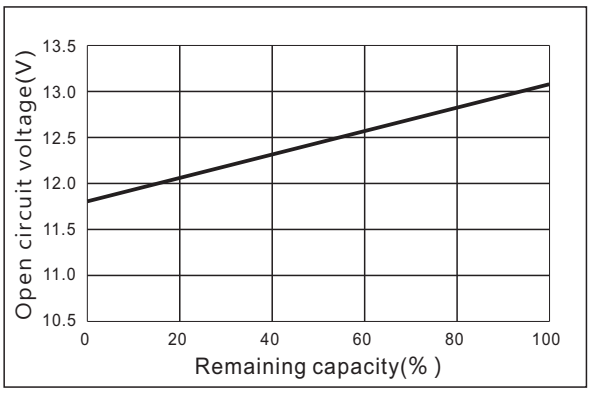
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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.