京九电源
KIJO BATTERY

JS Series lead-acid battery

Executive standard GB/T 19639.1-2014

JS12-8.5

Applications

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

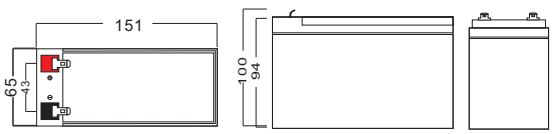
General Features

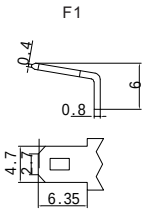
- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision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

Specification

Nominal Voltage	12V		
Nominal Capacity	8.5Ah		
Design life	5 years		
Terminal	F1/F2		
Approx. Weight	Approx 2.26kg (4.98lbs)		
Container Material	ABS		
Rated Capacity	8.50Ah	20Hour Rate	(0.425A to 10.5V)
	6.45Ah	3Hour Rate	(2.15A to 10.2V)
	5.41Ah	1Hour Rate	(5.41A to 9.60V)
Internal resistance	Full charged at 25°C:		25.0 mΩ
Max. Discharge Current	102A(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.2.10A ; Recom.0.85A	
	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		

Dimension: 151(L)×65(W) ×94(H)×100(TH) Unit: mm





Terminal

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	32.4	21.1	15.7	10.3	6.64	5.41	3.30	3.09	2.26	1.81	1.54	1.17	1.02	0.811	0.451
1.65V	32.1	20.2	14.5	9.80	6.23	5.08	3.27	2.97	2.19	1.75	1.51	1.16	1.00	0.803	0.442
1.70V	26.4	19.0	13.5	9.51	6.04	4.92	3.20	2.92	2.15	1.66	1.50	1.13	0.983	0.787	0.434
1.75V	24.4	18.2	12.5	9.30	5.81	4.74	3.13	2.85	2.12	1.64	1.42	1.11	0.959	0.770	0.425
1.80V	22.5	17.0	11.6	8.96	5.62	4.58	3.07	2.77	2.01	1.61	1.37	1.09	0.934	0.754	0.408
1.85V	20.1	15.8	10.3	8.21	5.20	4.24	2.97	2.63	1.89	1.56	1.31	1.05	0.895	0.731	0.401

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	60.8	38.1	28.9	17.4	11.9	9.92	6.63	5.81	4.27	3.43	2.91	2.30	1.92	1.57	0.893
1.65V	56.0	36.0	27.0	17.3	11.2	9.33	6.54	5.58	4.15	3.32	2.86	2.27	1.89	1.55	0.868
1.70V	51.2	35.0	25.8	17.2	10.9	9.05	6.46	5.48	4.09	3.15	2.78	2.24	1.87	1.53	0.862
1.75V	46.5	33.9	24.9	17.0	10.5	8.78	6.33	5.36	4.02	3.11	2.71	2.20	1.79	1.50	0.843
1.80V	41.7	32.7	23.8	16.9	10.4	8.66	6.16	5.32	3.92	3.08	2.65	2.14	1.73	1.46	0.837
1.85V	37.2	30.6	21.3	15.5	9.72	8.10	6.06	5.08	3.73	3.03	2.53	2.11	1.66	1.44	0.829

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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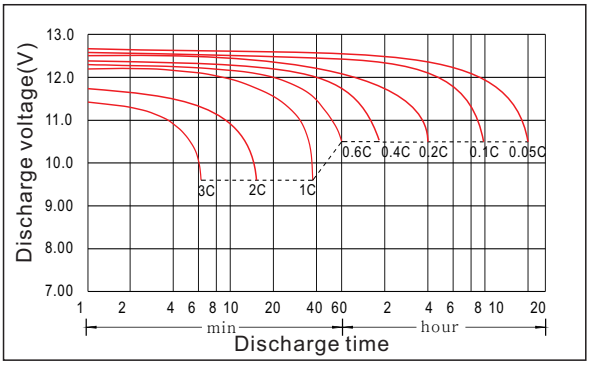
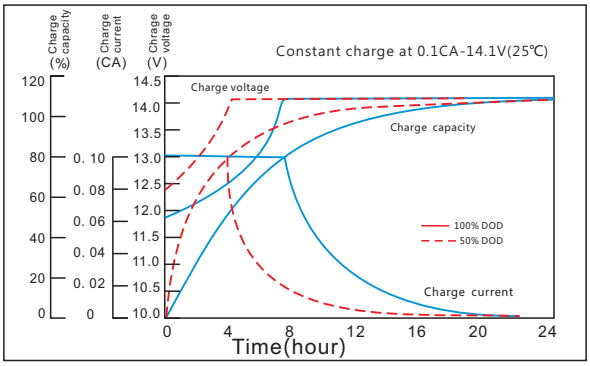
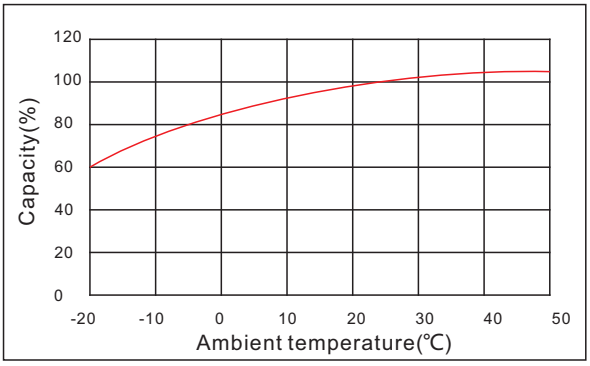
Discharge characteristic



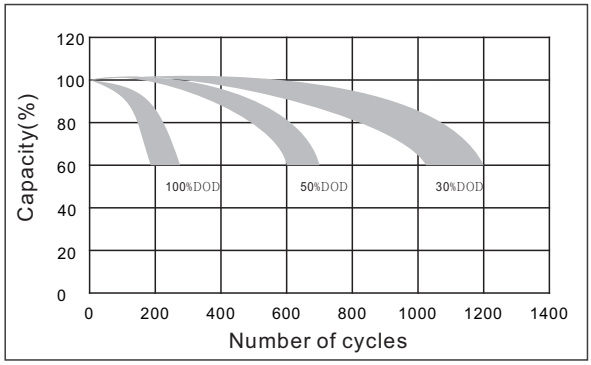
Charging characteristic



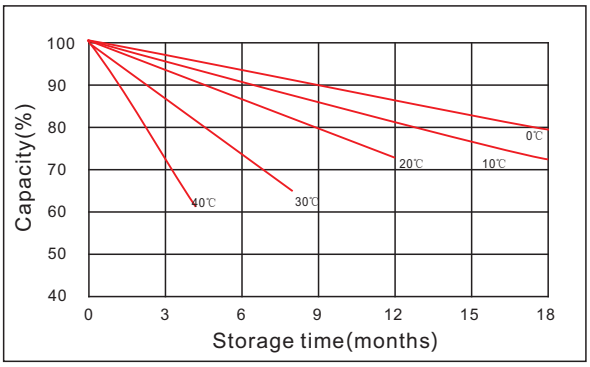
The effect of temperature on capacity



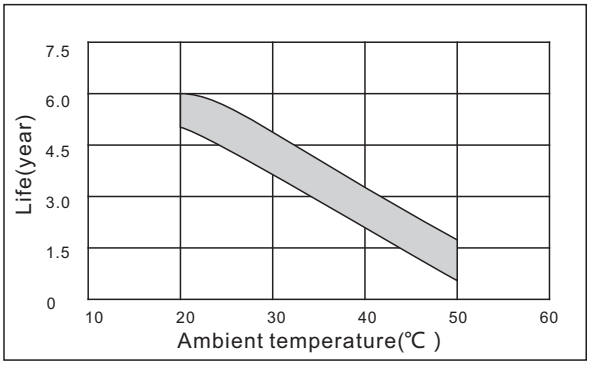
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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