京九电源
KIJO BATTERY

JS Series lead-acid battery

JS12-17

Applications

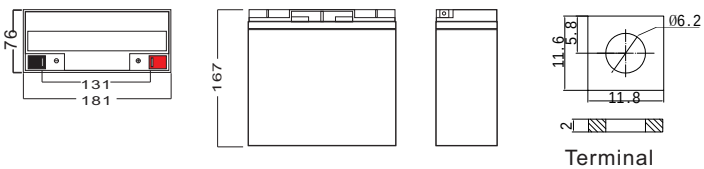
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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

RoHS

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



Specification

Nominal Voltage	12V	
Nominal Capacity	17.0Ah	
Design life	5 years	
Terminal	L1	
Approx. Weight	Approx5.00kg (11.0lbs)	
Container Material	ABS	
Rated Capacity	17.0Ah	20Hour Rate (0.85A to 10.5V)
	13.4Ah	3Hour Rate (4.47A to 10.2V)
	11.2Ah	1Hour Rate (11.2A to 9.60V)
Internal resistance	Full charged at 25°C:	18.0 mΩ
Max. Discharge Current	255A(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.4.25A ; Recom.1.70A
	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	67.3	44.0	32.8	21.5	13.7	11.2	6.83	6.43	4.69	3.76	3.20	2.42	2.11	1.68	0.900
1.65V	66.8	42.2	30.1	20.4	12.9	10.5	6.79	6.17	4.56	3.64	3.13	2.41	2.07	1.67	0.880
1.70V	54.7	39.6	28.1	19.8	12.5	10.2	6.63	6.05	4.47	3.45	3.09	2.35	2.04	1.63	0.870
1.75V	50.8	37.7	26.2	19.3	12.1	9.84	6.51	5.90	4.40	3.40	2.96	2.31	1.99	1.60	0.850
1.80V	46.8	35.5	24.3	18.7	11.7	9.50	6.34	5.75	4.17	3.33	2.84	2.25	1.94	1.56	0.820
1.85V	41.8	32.9	21.6	17.1	10.8	8.80	6.15	5.47	3.92	3.23	2.71	2.18	1.86	1.51	0.806

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	126	79.3	60.1	36.3	24.7	20.6	13.8	12.0	8.87	7.11	6.04	4.78	3.98	3.26	1.79
1.65V	116	75.1	56.4	36.1	23.3	19.4	13.5	11.6	8.61	6.89	5.92	4.69	3.92	3.20	1.74
1.70V	107	72.8	53.8	36.0	22.6	18.8	13.4	11.4	8.47	6.55	5.75	4.65	3.88	3.17	1.72
1.75V	96.6	70.6	51.9	35.6	21.8	18.2	13.1	11.1	8.36	6.46	5.64	4.55	3.72	3.10	1.69
1.80V	86.7	68.3	49.6	35.3	21.6	18.0	12.8	11.0	8.13	6.40	5.50	4.46	3.60	3.04	1.67
1.85V	77.4	63.9	44.4	32.3	20.2	16.8	12.6	10.5	7.74	6.30	5.25	4.39	3.45	2.99	1.65

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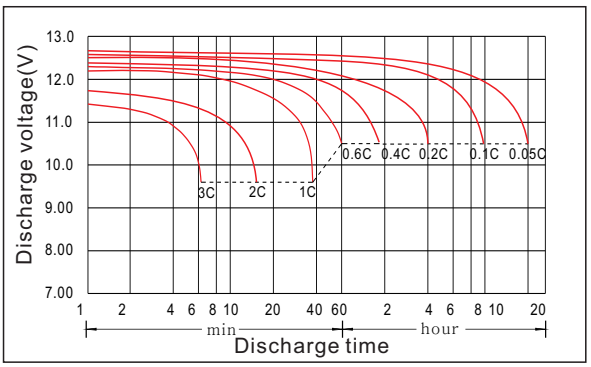
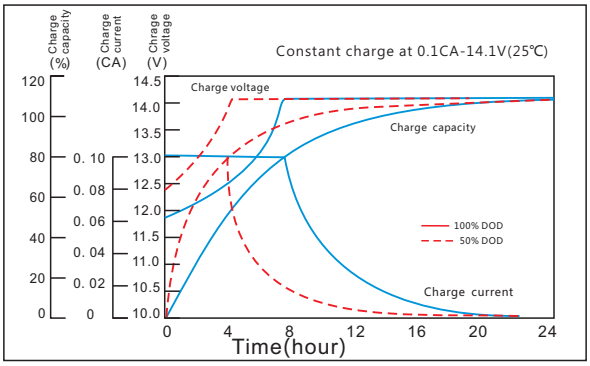
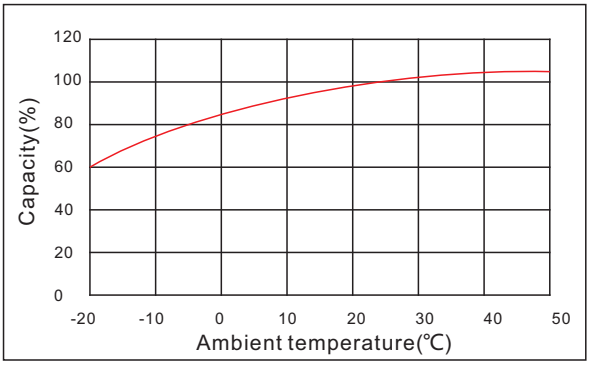
Discharge characteristic



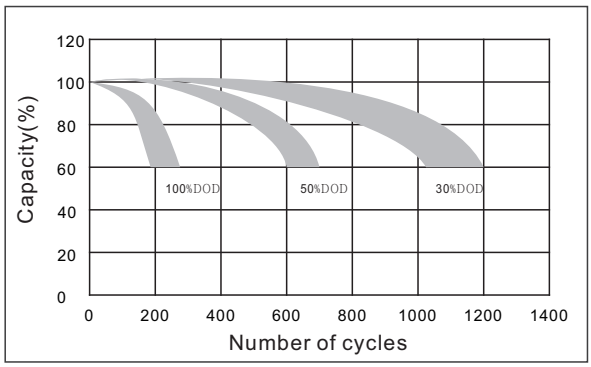
Charging characteristic



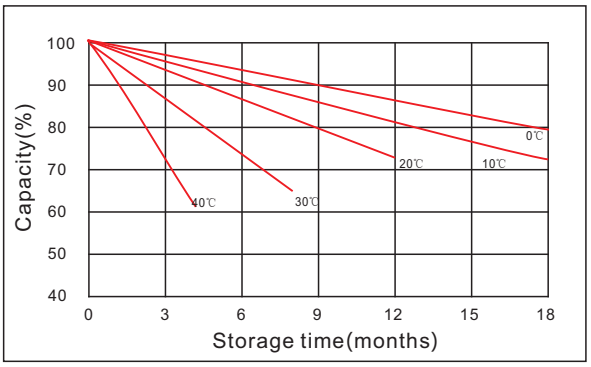
The effect of temperature on capacity



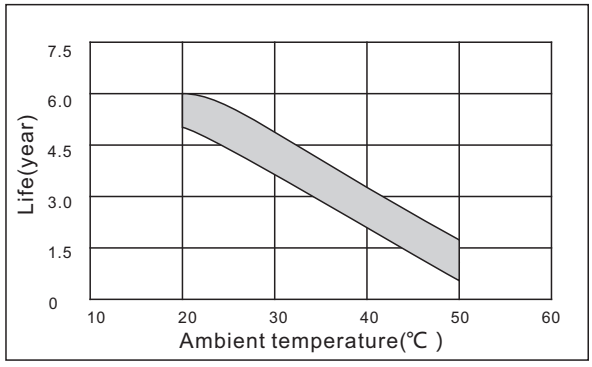
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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