京九电源
KIJO BATTERY

JS12-28

JS Series lead-acid battery

Executive standard GB/T 19639.1-2014

Applications

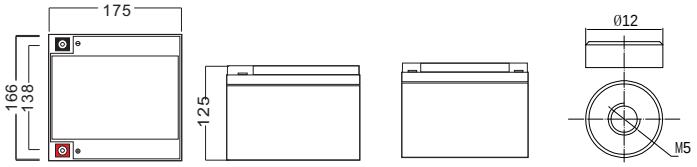
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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

ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS · UL · CE · FC · PSE

Dimension: 175(L)×166(W) ×125(H)×125(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	28.0Ah	
Design life	5 years	
Terminal	M5	
Approx. Weight	Approx8.0kg (17.6lbs)	
Container Material	ABS	
Rated Capacity	28.0Ah	20Hour Rate (1.40A to 10.5V)
	24.3Ah	3Hour Rate (8.10A to 10.2V)
	18.5Ah	1Hour Rate (18.5A to 9.60V)
Internal resistance	Full charged at 25°C:	12.0 mΩ
Max. Discharge Current	420A(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.7.00A ; Recom.2.80A
	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	119	92.1	63.7	31.5	22.7	18.5	12.5	11.5	8.30	5.56	5.15	3.86	3.17	2.68	1.42
1.65V	115	89.5	61.8	30.8	22.6	18.4	12.4	11.4	8.23	5.51	5.12	3.82	3.15	2.65	1.41
1.70V	110	85.4	60.7	30.2	22.4	18.3	12.3	11.3	8.10	5.46	5.06	3.79	3.12	2.63	1.41
1.75V	102	81.7	58.4	30.0	22.1	18.0	12.2	11.1	8.00	5.40	5.00	3.75	3.09	2.60	1.40
1.80V	91.0	77.2	54.7	28.7	21.5	17.5	12.0	10.9	7.97	5.35	4.88	3.71	3.09	2.57	1.39
1.85V	81.3	68.9	48.7	26.2	19.9	16.3	11.7	10.4	7.51	5.19	4.63	3.60	2.95	2.50	1.37

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	199	166	112	56.9	42.2	35.1	23.9	21.6	15.8	10.8	9.79	7.55	6.18	5.15	2.81
1.65V	191	160	110	56.2	41.8	34.8	23.6	21.6	15.6	10.7	9.73	7.47	6.13	5.09	2.80
1.70V	191	154	109	56.2	41.4	34.5	23.4	21.5	15.5	10.6	9.66	7.38	6.09	5.03	2.79
1.75V	178	147	109	55.9	41.1	34.2	23.2	21.4	15.4	10.5	9.60	7.34	6.06	5.01	2.77
1.80V	163	139	103	54.4	40.7	33.9	23.0	21.3	15.4	10.4	9.48	7.26	6.01	4.95	2.76
1.85V	146	124	91.8	49.9	37.8	31.5	22.6	20.3	14.6	10.2	9.05	7.13	5.81	4.86	2.73

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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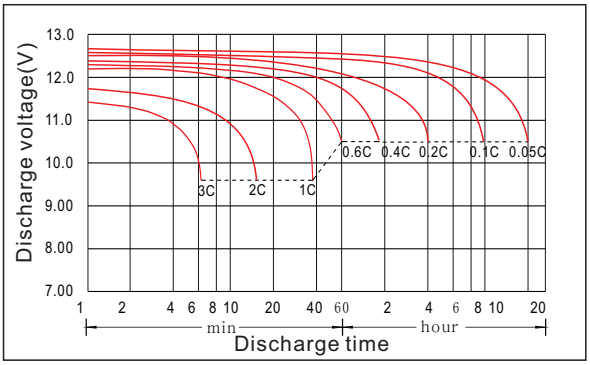
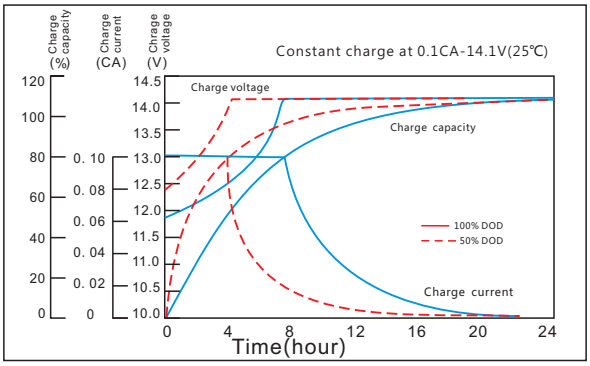
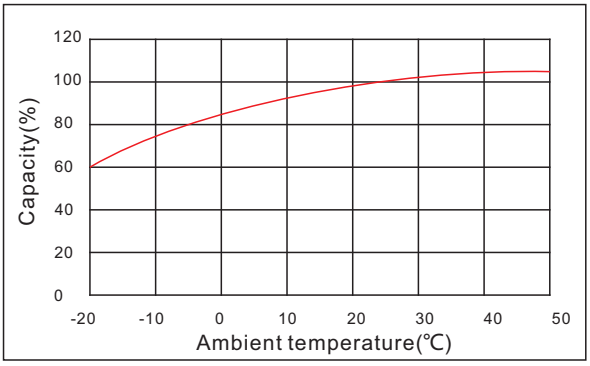
Discharge characteristic



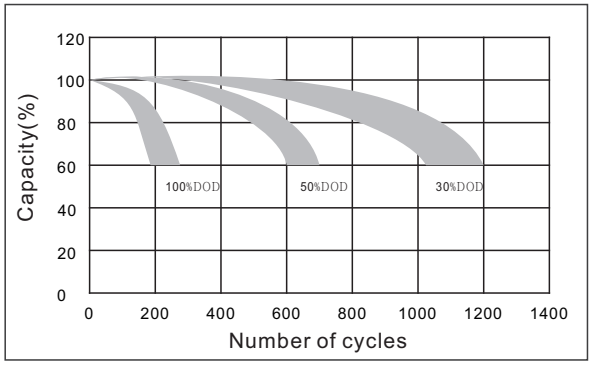
Charging characteristic



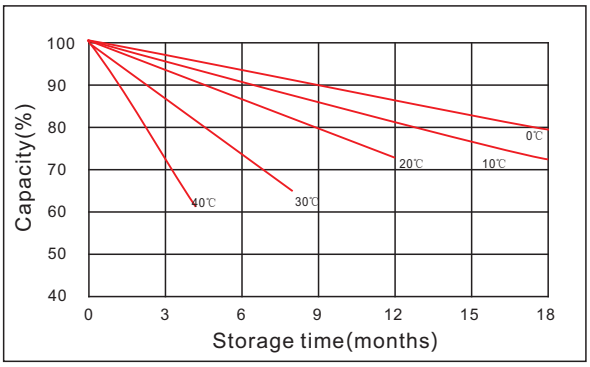
The effect of temperature on capacity



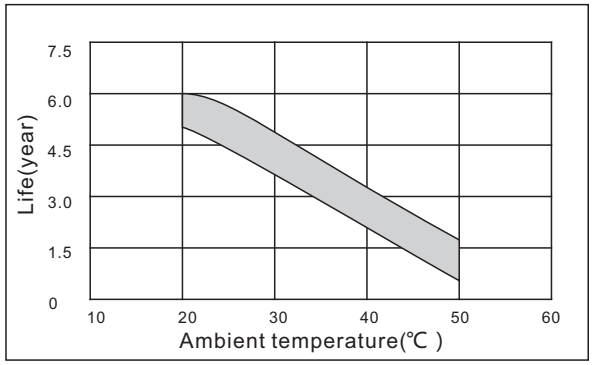
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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