京九电源
KIJO BATTERY

JM12-55

JM Series lead-acid battery

Executive standard GB/T 19639.1-2014

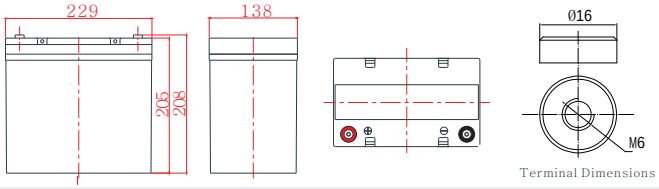
Applications

- 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
- Long life

Dimension: 229(L)×138(W) ×205(H)×208(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V		
Nominal Capacity	55Ah		
Design life	10 years		
Terminal	M6		
Approx. Weight	Approx 17.5kg (38.6lbs)		
Container Material	ABS		
Rated Capacity	55.0Ah	10Hour Rate	(5.50A to 10.8V)
	45.0Ah	3Hour Rate	(15.0A to 10.2V)
	37.0Ah	1Hour Rate	(37.0A to 9.6V)
Internal resistance	Full charged at 25°C:	7.5 mΩ	
Max. Discharge Current	660A(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. 13.8A ; Recom.5.5A	
	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	194	129	104	63.3	45.4	37.0	23.3	21.2	15.4	11.2	10.3	8.25	6.79	5.72	3.00
1.65V	188	128	101	62.3	45.1	36.8	23.1	21.1	15.3	11.1	10.2	8.17	6.74	5.67	2.99
1.70V	180	127	98.8	61.2	44.8	36.5	22.8	21.0	15.0	10.9	10.1	8.09	6.68	5.61	2.97
1.75V	166	125	95.6	60.6	44.2	36.0	22.6	20.6	14.9	10.8	10.0	8.02	6.63	5.56	2.96
1.80V	149	122	89.1	58.0	43.1	35.1	22.4	20.3	14.8	10.7	9.76	7.93	6.58	5.50	2.94
1.85V	133	113	79.4	52.9	39.9	32.5	21.7	19.2	13.9	10.4	9.27	7.70	6.30	5.34	2.89

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	325	218	183	115	84.0	70.0	46.4	40.2	29.3	22.0	19.6	16.1	13.2	11.0	5.94
1.65V	313	217	180	114	83.4	69.5	46.0	40.0	28.9	21.8	19.5	16.0	13.1	10.9	5.91
1.70V	311	215	178	114	82.7	68.9	45.6	39.9	28.8	21.6	19.4	15.8	13.0	10.8	5.89
1.75V	290	213	177	113	82.1	68.4	45.2	39.7	28.6	21.4	19.2	15.7	12.9	10.7	5.86
1.80V	266	212	167	110	81.5	67.9	44.7	39.6	28.5	21.2	19.0	15.5	12.8	10.6	5.83
1.85V	238	197	150	101	75.6	63.0	43.9	37.8	27.1	20.8	18.2	15.3	12.4	10.4	5.78

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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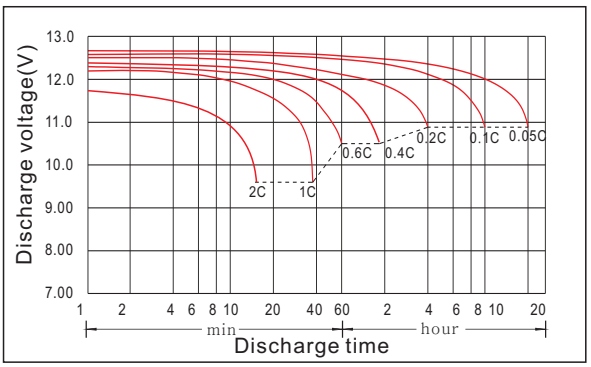
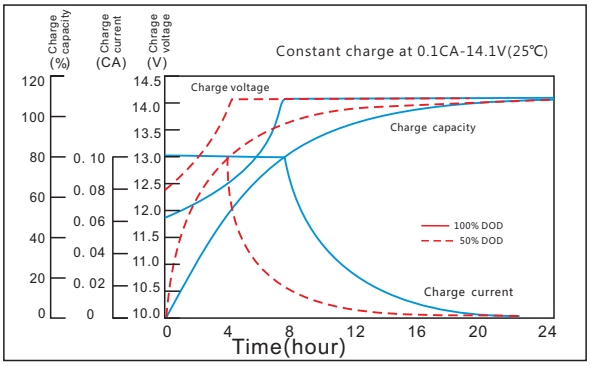
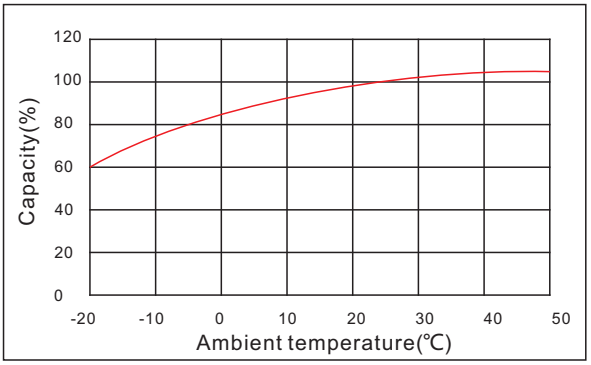
Discharge characteristic



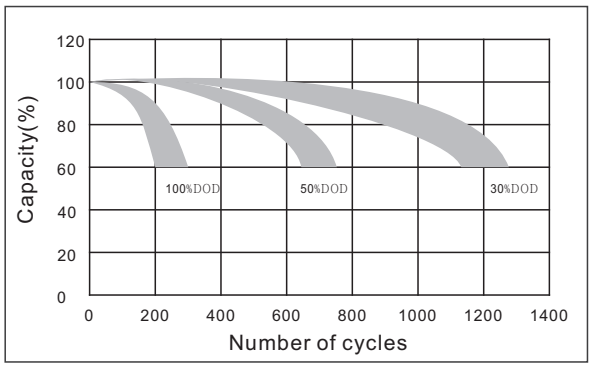
Charging characteristic



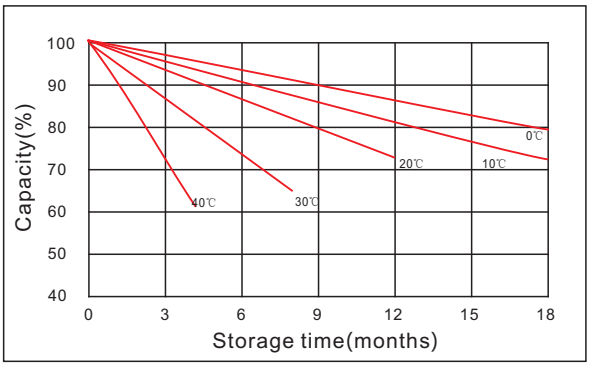
The effect of temperature on capacity



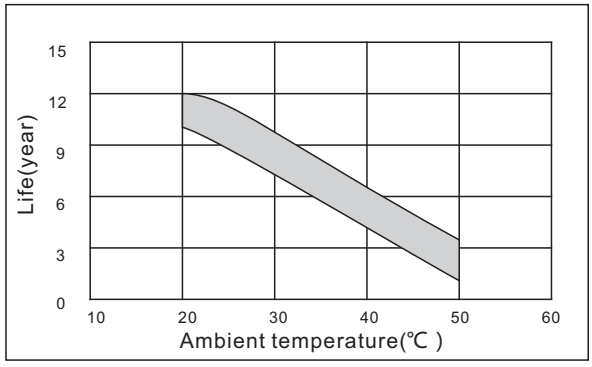
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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