京九电源
KIJO BATTERY

JM Series lead-acid battery

JM12-85

Executive standard YD/T 799-2010

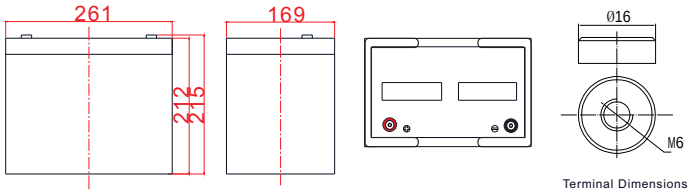
Applications

- 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:261(L)×169(W) ×212(H)×215(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V	
Nominal Capacity	85Ah	
Design life	10 years	
Terminal	M6	
Approx. Weight	Approx 26.0kg (57.4lbs)	
Container Material	ABS	
Rated Capacity	85.0Ah	10Hour Rate (8.50A to 10.8V)
	69.9Ah	3Hour Rate (23.3A to 10.2V)
	57.3Ah	1Hour Rate (57.3A to 9.6V)
Internal resistance	Full charged at 25°C:	5.4 mΩ
Max. Discharge Current	1020A(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. 21.3A; Recom.8.5A
	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	300	199	160	97.9	70.3	57.3	35.9	32.8	23.8	17.2	16.0	12.7	10.5	8.84	4.64
1.65V	290	198	156	96.3	69.7	56.8	35.6	32.6	23.6	17.1	15.8	12.6	10.4	8.76	4.61
1.70V	278	197	153	94.6	69.3	56.5	35.3	32.4	23.3	16.9	15.6	12.5	10.3	8.67	4.59
1.75V	256	194	148	93.7	68.3	55.7	34.9	31.9	23.0	16.8	15.5	12.4	10.2	8.59	4.57
1.80V	230	189	138	89.7	66.5	54.2	34.6	31.3	22.8	16.6	15.1	12.3	10.2	8.50	4.55
1.85V	205	175	123	81.8	61.7	50.3	33.6	29.8	21.5	16.1	14.3	11.9	9.74	8.25	4.47

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	503	337	284	177	130	108	71.7	62.1	45.3	34.0	30.3	24.9	20.4	17.0	9.18
1.65V	483	334	278	175	128	107	70.9	61.9	44.7	33.6	30.2	24.6	20.2	16.8	9.14
1.70V	480	331	275	175	127	106	70.5	61.6	44.5	33.4	29.9	24.5	20.2	16.7	9.10
1.75V	448	331	273	174	127	106	69.6	61.3	44.2	33.0	29.8	24.2	20.0	16.5	9.05
1.80V	411	328	258	170	126	105	69.2	61.1	44.1	32.8	29.4	24.1	19.9	16.4	9.01
1.85V	368	304	231	156	117	97.3	67.5	58.4	41.9	32.0	28.1	23.5	19.1	16.0	8.93

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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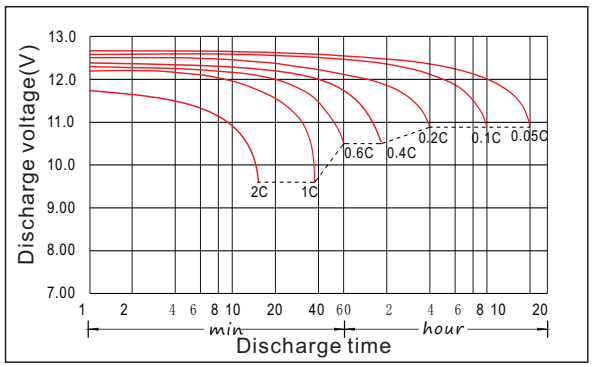
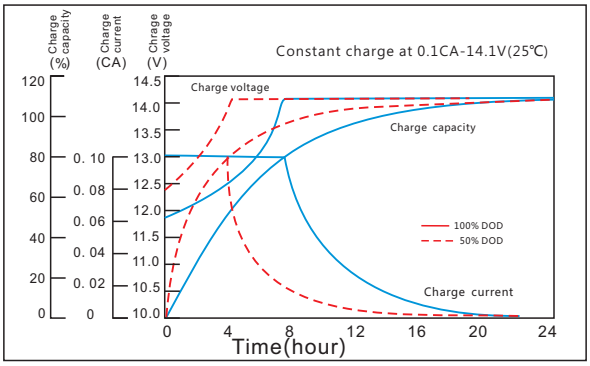
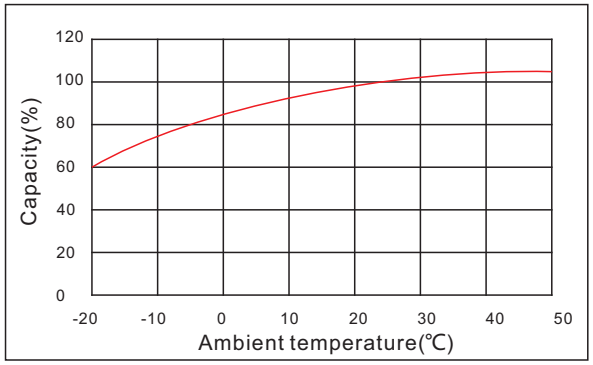
Discharge characteristic



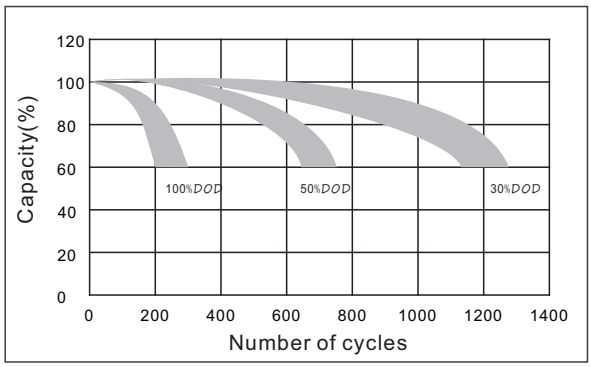
Charging characteristic



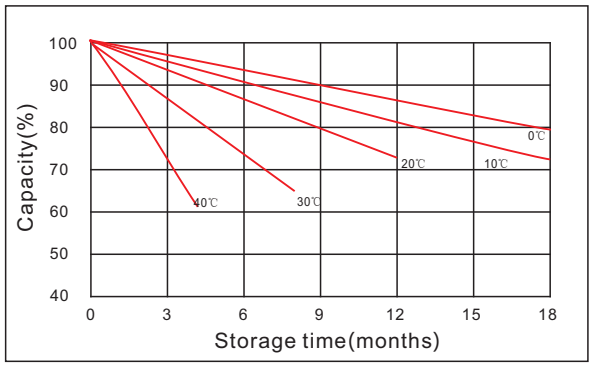
The effect of temperature on capacity



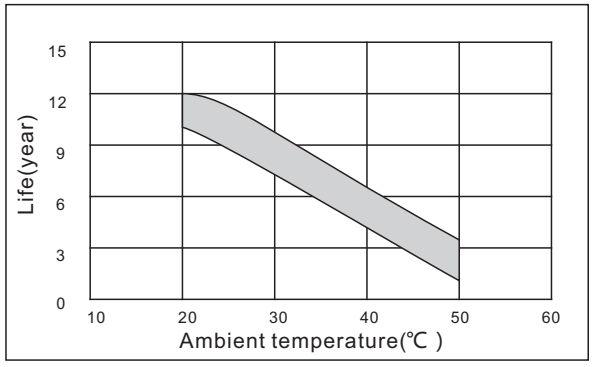
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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