京九电源
KIJO BATTERY

JF Series lead-acid battery

Executive standard YD/T 2343-2011

JF12-110

Applications

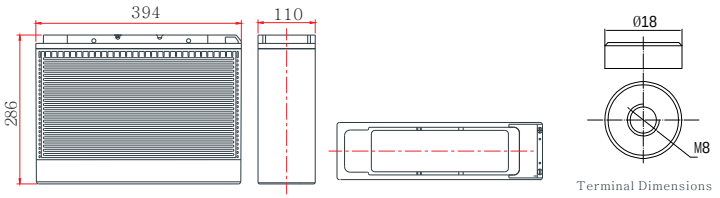
- Telecom outdoor integration site
- Power systems
- UPS/EPS
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

General Features

- Narrow structure and front terminal design, suitable for 19-inch and 23-inch standard cabinets
- High corrosion resistant performance: Pb-Ca multi-alloy grid
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life

ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

Dimension: 394(L)×110(W) ×286(H)×286(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V		
Nominal Capacity	110Ah		
Design life	10 years		
Terminal	M8		
Approx. Weight	Approx 33.5kg (73.9lbs)		
Container Material	ABS		
Rated Capacity	110Ah	10Hour Rate	(11.0A to 10.8V)
	88.5Ah	3Hour Rate	(29.5A to 10.2V)
	72.7Ah	1Hour Rate	(72.7A to 9.60V)
Internal resistance	Full charged at 25°C:		6.5 mΩ
Max. Discharge Current	1200A(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. 27.5A ; Recom.11.0A	
	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	381	253	205	124	89.2	72.7	46.4	41.7	30.3	22.2	20.3	16.4	13.3	11.4	6.09
1.65V	368	252	197	122	88.7	72.3	46.0	41.5	30.0	22.0	20.1	16.3	13.2	11.3	6.05
1.70V	355	250	194	120	88.1	71.8	45.5	41.2	29.5	21.8	19.9	16.1	13.1	11.2	6.02
1.75V	326	246	188	119	86.7	70.7	45.1	40.5	29.2	21.6	19.7	16.0	13.0	11.1	6.00
1.80V	291	240	175	114	84.5	68.9	44.7	39.8	29.0	21.5	19.2	15.9	12.9	11.0	5.97
1.85V	260	222	156	104	78.3	63.8	43.5	37.8	27.3	20.9	18.2	15.4	12.4	10.7	5.86

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	664	446	372	233	172	143	94.5	81.8	59.7	44.8	40.0	32.9	26.9	22.4	12.1
1.65V	635	440	367	231	169	141	93.7	81.6	58.9	44.4	39.7	32.6	26.7	22.2	12.0
1.70V	632	437	364	231	168	140	92.8	81.2	58.6	44.0	39.4	32.3	26.6	22.0	12.0
1.75V	589	434	359	230	167	139	91.6	80.8	58.3	43.4	39.2	31.8	26.3	21.7	11.9
1.80V	541	431	342	225	166	138	90.7	80.6	58.1	43.0	38.7	31.5	26.1	21.5	11.9
1.85V	484	399	303	206	154	128	89.5	76.9	55.2	42.4	37.0	31.1	25.5	21.2	11.8

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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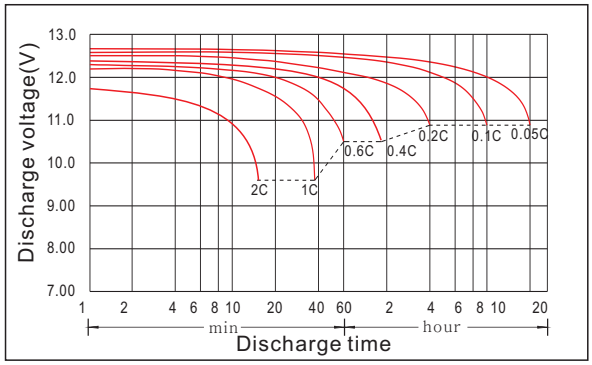
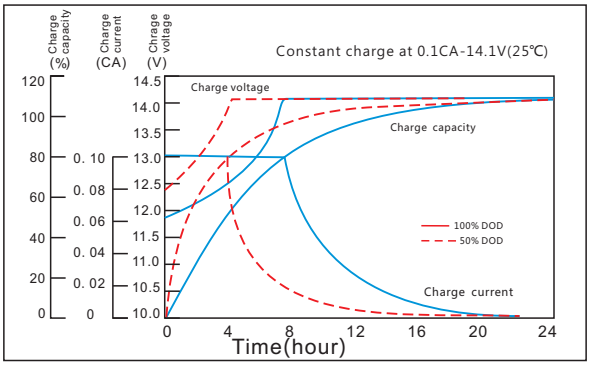
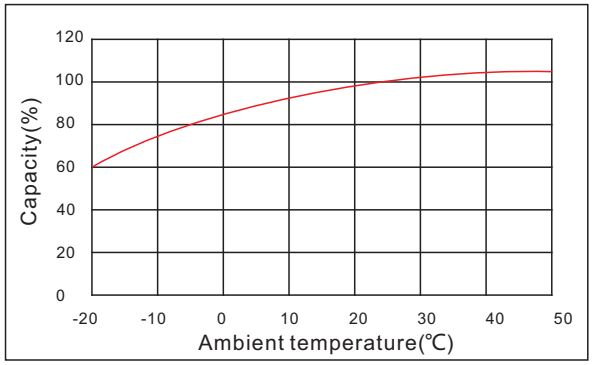
Discharge characteristic



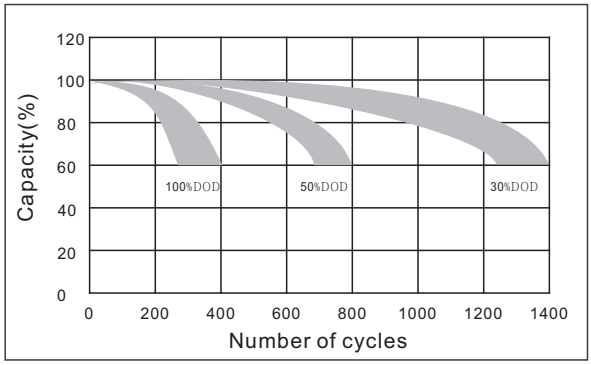
Charging characteristic



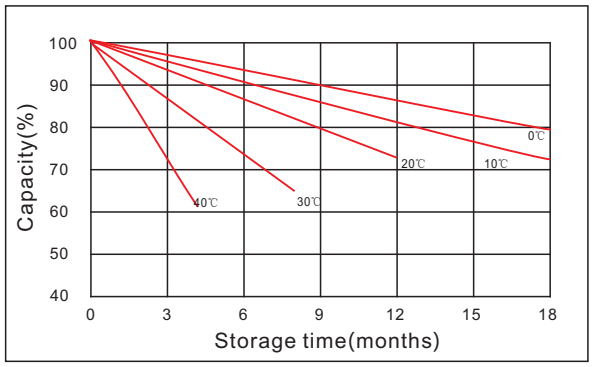
The effect of temperature on capacity



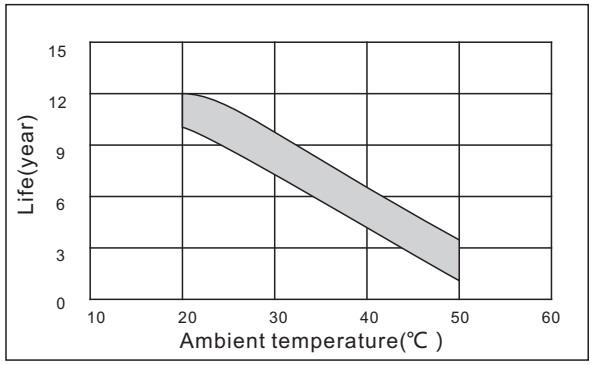
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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