京九电源
KIJO BATTERY

JF Series lead-acid battery

Executive standard YD/T 2343-2011

JF12-140

Applications

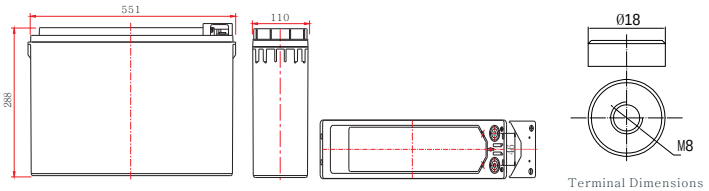
- Telecom outdoor integration site
- Power systems
- UPS/EPS
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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: 551(L)×110(W) ×288(H)×288(TH) Unit: mm



Specification

Nominal Voltage	12V		
Nominal Capacity	140Ah		
Design life	12 years		
Terminal	M8		
Approx. Weight	Approx 42.0kg (92.6lbs)		
Container Material	ABS		
Rated Capacity	140.0Ah	10Hour Rate	(14.0A to 10.8V)
	108.9Ah	3Hour Rate	(36.3A to 10.2V)
	88.4Ah	1Hour Rate	(88.4A to 9.60V)
Internal resistance	Full charged at 25°C:		5.60 mΩ
Max. Discharge Current	1680A(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. 35.0A ; Recom.14A	
	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	493	328	265	161	116	88.4	59.2	54.0	37.2	28.4	26.3	21.0	17.4	14.6	7.64
1.65V	479	326	258	158	115	87.9	58.7	53.8	36.8	28.1	26.0	20.7	17.2	14.4	7.60
1.70V	459	323	252	155	114	87.2	58.1	53.3	36.3	27.9	25.8	20.6	17.1	14.3	7.56
1.75V	423	319	244	154	112	86.0	57.5	52.5	35.9	27.6	25.5	20.4	16.9	14.1	7.53
1.80V	378	311	227	147	110	83.8	57.0	51.5	35.8	27.3	24.8	20.2	16.8	14.0	7.49
1.85V	337	288	202	135	102	77.6	55.2	49.0	33.6	26.5	23.7	19.6	16.1	13.6	7.36

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	827	554	466	291	213	167	118	102	70.9	56.0	50.0	41.0	33.6	28.0	15.1
1.65V	795	550	459	288	211	166	117	102	69.9	55.4	49.7	40.6	33.3	27.7	15.1
1.70V	791	546	454	288	210	164	116	102	69.5	54.9	49.3	40.2	32.9	27.4	15.0
1.75V	738	542	451	287	209	163	115	101	69.1	54.3	49.0	39.9	32.9	27.2	15.0
1.80V	678	538	426	281	207	162	113	101	68.9	53.8	48.4	39.5	31.5	26.9	14.8
1.85V	605	503	381	258	193	151	112	96.2	65.6	52.9	46.2	38.8	31.5	26.5	14.7

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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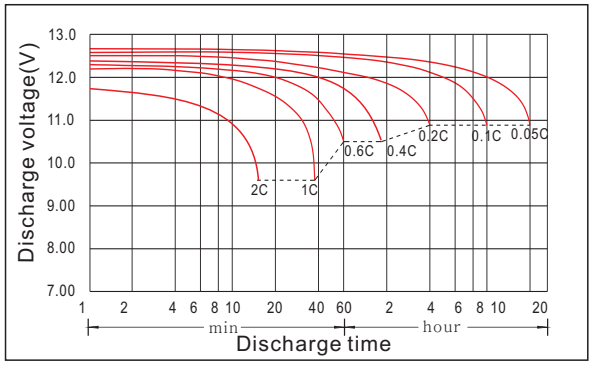
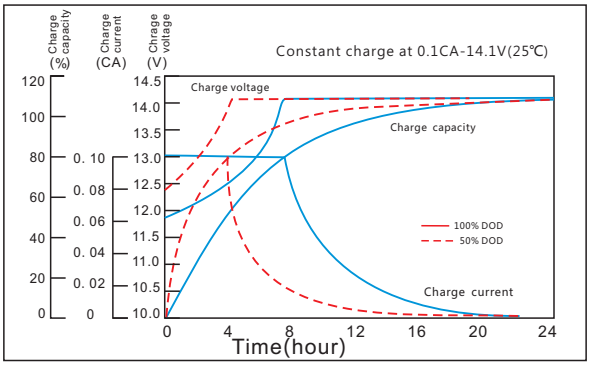
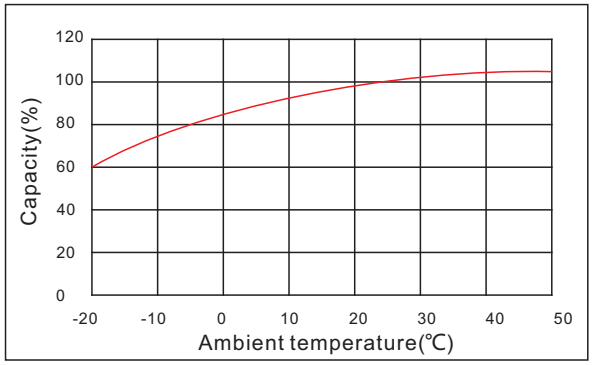
Discharge characteristic



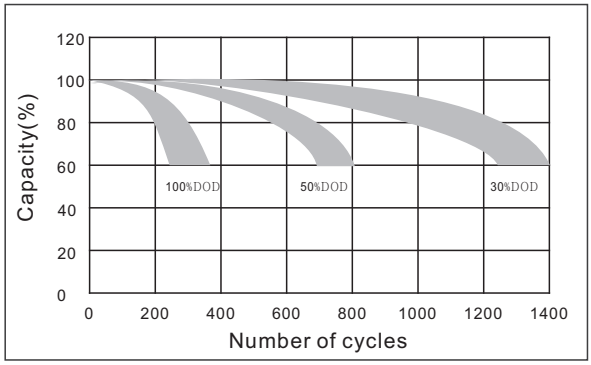
Charging characteristic



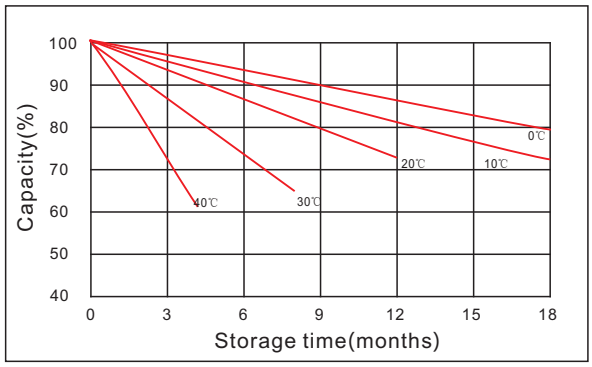
The effect of temperature on capacity



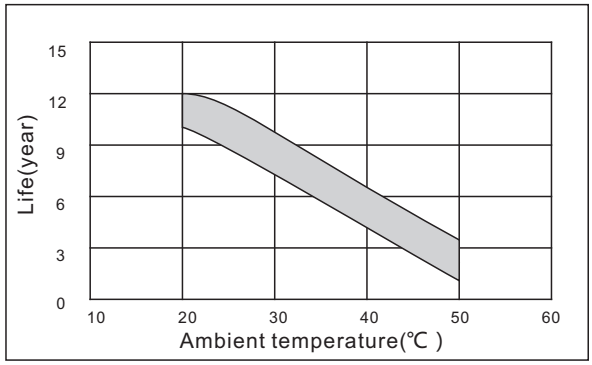
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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