京九电源
KIJO BATTERY

JF Series lead-acid battery

Executive standard YD/T 799-2010

JF12-140

Applications

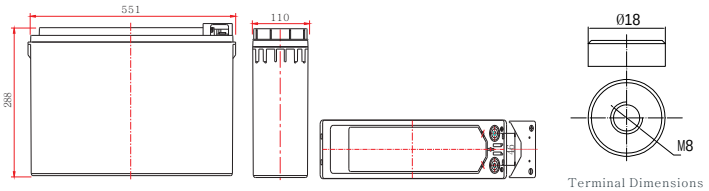
- Telecom outdoor integration site
- Power systems
- UPS/EPS
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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



Terminal Dimensions

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)
	89.2Ah	1Hour Rate	(89.2A to 9.60V)
Internal resistance	Full charged at 25°C:	5.6 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	328	276	231	140	110	89.2	56.0	51.2	37.2	26.9	25.0	19.9	16.4	14.6	7.64
1.65V	318	275	225	138	108	87.7	55.4	50.9	36.8	26.6	24.7	19.7	16.2	14.4	7.48
1.70V	306	273	220	135	107	86.2	55.1	50.5	36.3	26.5	24.5	19.5	16.1	14.3	7.32
1.75V	281	269	213	133	105	84.7	54.5	49.8	35.9	26.2	24.2	19.3	15.9	14.1	7.17
1.80V	251	262	198	127	104	83.3	53.9	48.9	35.6	25.9	23.5	19.2	15.8	14.0	7.01
1.85V	225	243	176	117	95.8	78.1	52.5	46.4	33.5	25.1	22.3	18.6	15.2	13.6	6.84

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	550	468	407	253	203	170	109	99.3	70.7	51.9	47.3	38.6	31.8	28.0	14.8
1.65V	529	464	401	252	201	167	108	98.8	69.8	51.3	47.1	38.2	31.6	27.9	14.5
1.70V	526	461	396	251	200	166	107	98.0	69.4	51.1	46.6	37.9	31.5	27.4	14.2
1.75V	491	457	393	249	197	163	106	96.5	69.0	50.5	46.4	37.5	31.2	27.2	13.9
1.80V	451	453	371	245	196	160	105	95.1	68.7	50.2	45.9	37.2	30.9	26.9	13.7
1.85V	402	424	332	224	182	152	103	91.0	65.4	49.2	43.8	36.4	29.8	26.5	13.3

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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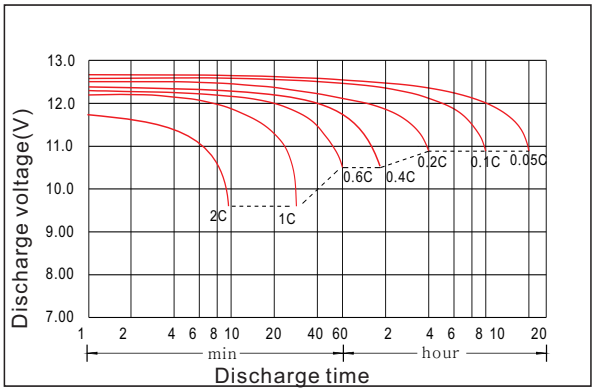
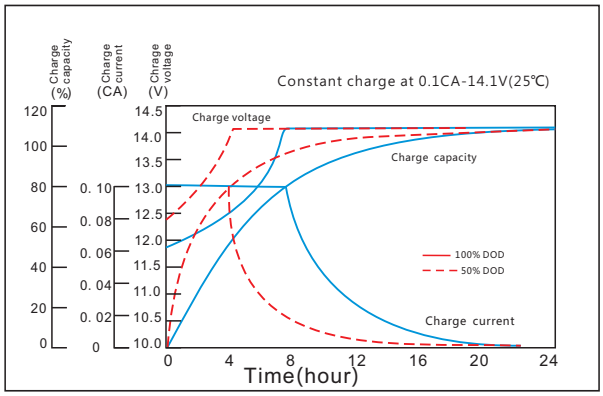
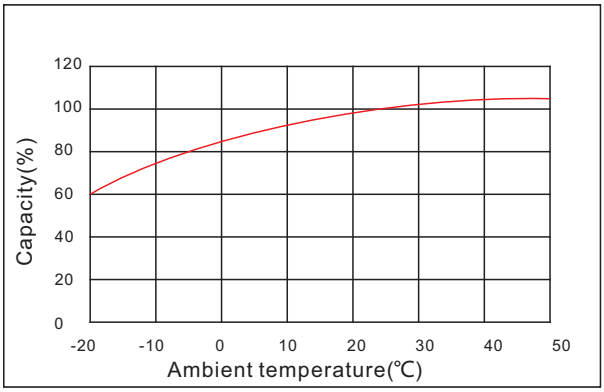
Discharge characteristic



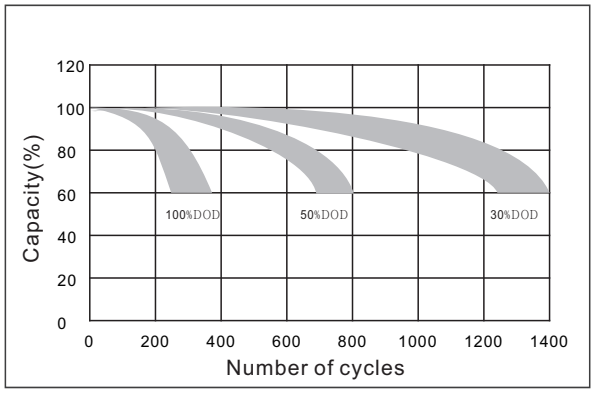
Charging characteristic



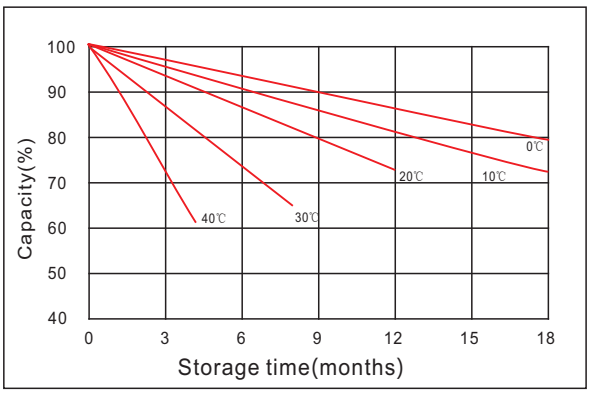
The effect of temperature on capacity



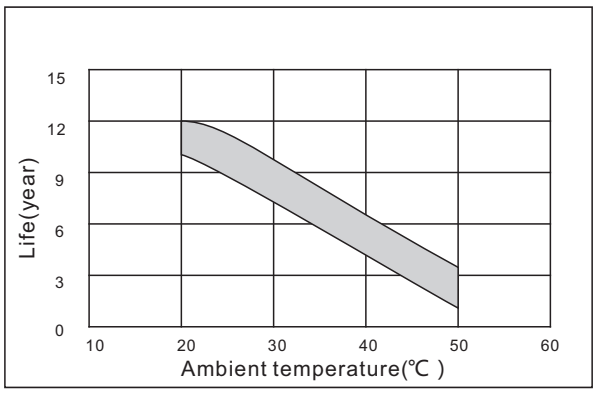
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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