京九电源
KIJO BATTERY

JF Series lead-acid battery

Executive standard YD/T 799-2010

JF12-100

Applications

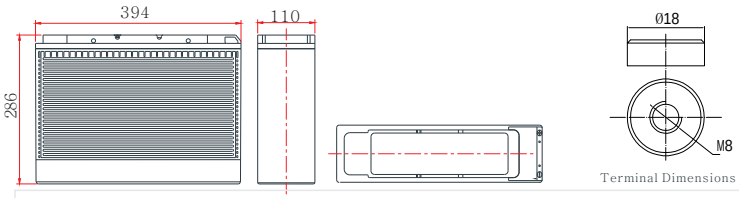
- Telecom outdoor integration site
- Power systems
- UPS/EPS
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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



Specification

Nominal Voltage	12V		
Nominal Capacity	100Ah		
Design life	12 years		
Terminal	M8		
Approx. Weight	Approx 31.0kg (68.3lbs)		
Container Material	ABS		
Rated Capacity	100Ah	10Hour Rate	(10.0A to 10.8V)
	77.7Ah	3Hour Rate	(25.9A to 10.2V)
	63.7Ah	1Hour Rate	(63.7A to 9.6V)
Internal resistance	Full charged at 25°C:		7.0mΩ
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. 25A ; Recom.10A
	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	234	197	165	100	78.4	63.7	40.0	36.6	26.6	19.2	17.8	14.2	11.7	10.4	5.46
1.65V	227	196	161	98.4	77.4	62.6	39.6	36.4	26.3	19.0	17.6	14.1	11.6	10.3	5.34
1.70V	218	195	157	96.3	76.3	61.6	39.4	36.1	25.9	18.9	17.5	13.9	11.5	10.2	5.23
1.75V	201	192	152	95.3	75.3	60.5	38.9	35.6	25.6	18.7	17.3	13.8	11.4	10.1	5.12
1.80V	179	187	142	91.1	74.2	59.5	38.5	34.9	25.4	18.5	16.8	13.7	11.3	10.0	5.01
1.85V	161	174	126	83.7	68.4	55.8	37.5	33.2	23.9	17.9	15.9	13.3	10.8	9.68	4.88

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	393	334	291	181	145	122	78.0	71.0	50.5	37.1	33.8	27.6	22.7	20.0	10.6
1.65V	378	332	286	180	144	119	77.2	70.6	49.8	36.7	33.6	27.3	22.6	19.9	10.4
1.70V	376	329	283	179	143	118	76.8	70.0	49.6	36.5	33.3	27.1	22.5	19.6	10.1
1.75V	351	326	281	178	141	116	75.8	68.9	49.3	36.1	33.2	26.8	22.3	19.4	9.95
1.80V	322	324	265	175	140	114	75.1	67.9	49.1	35.8	32.8	26.5	22.1	19.2	9.76
1.85V	287	303	237	160	130	108	73.7	65.0	46.7	35.2	31.3	26.0	21.3	18.9	9.52

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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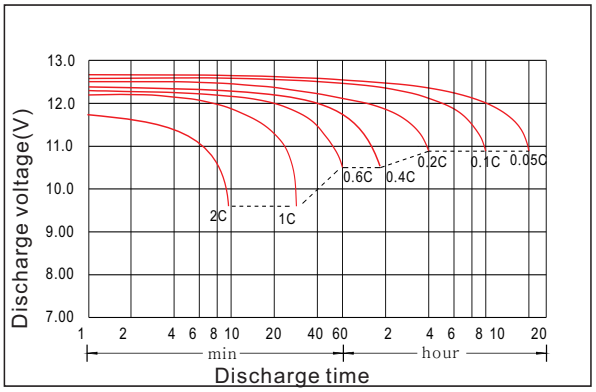
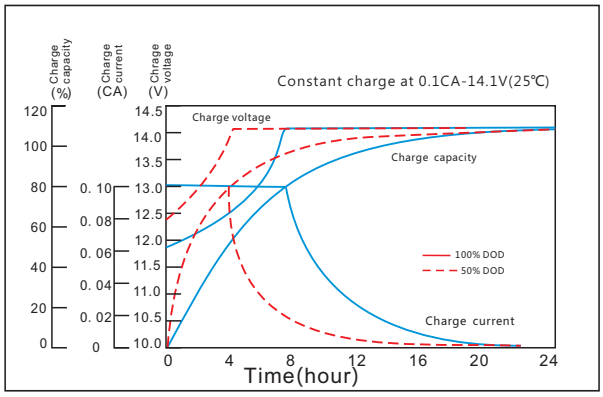
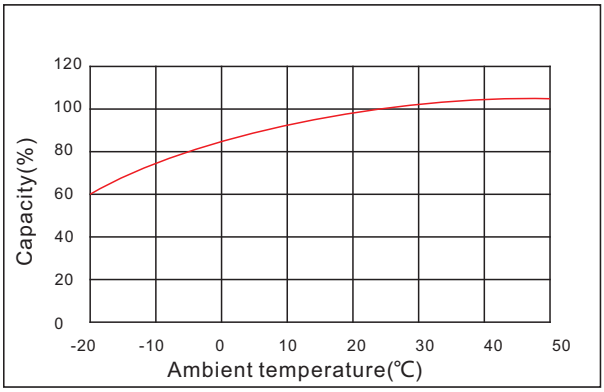
Discharge characteristic



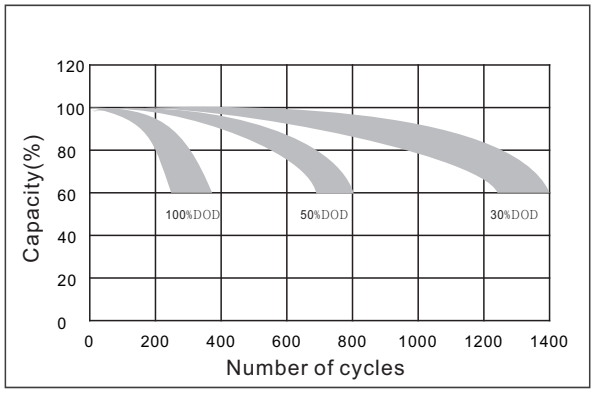
Charging characteristic



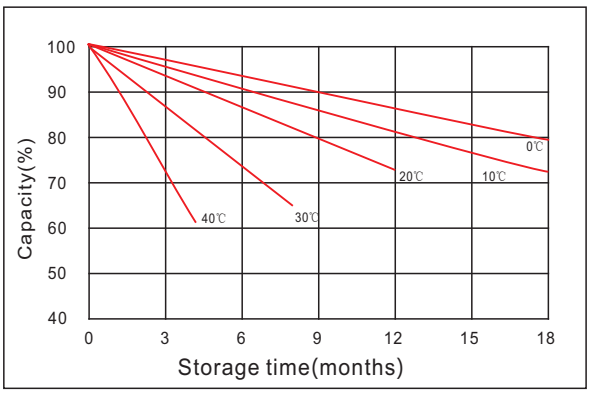
The effect of temperature on capacity



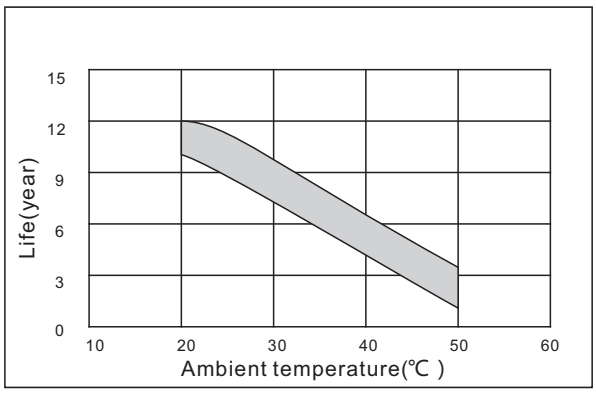
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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