京九电源
KIJO BATTERY

JF Series lead-acid battery

Executive standard YD/T 2343-2011

JF12-170

Applications

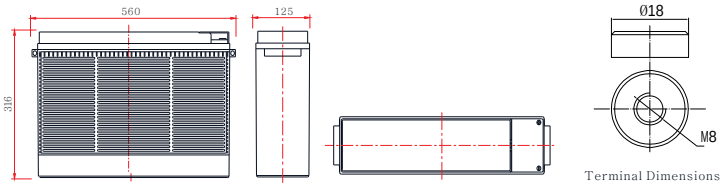
- Telecom outdoor integration site
- Power systems
- UPS/EPS
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

General Features

- Narrow structure and front terminal design, suitable for 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: 560(L)×125(W) ×316(H)×316(TH) Unit: mm



Specification

Nominal Voltage	12V		
Nominal Capacity	170Ah		
Design life	10 years		
Terminal	M8		
Approx. Weight	Approx 51.0kg (112.5lbs)		
Container Material	ABS		
Rated Capacity	170Ah	10Hour Rate	(17.0A to 10.8V)
	140.1Ah	3Hour Rate	(46.7A to 10.2V)
	115Ah	1Hour Rate	(115A to 9.6V)
Internal resistance	Full charged at 25°C:		5.0 mΩ
Max. Discharge Current	2040A(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. 42.5A ; Recom.17A
	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	603	400	322	195	141	115	72.0	65.8	47.9	34.5	31.9	25.5	21.0	17.7	9.29
1.65V	581	397	310	192	140	114	71.2	65.5	47.3	34.1	31.5	25.2	20.9	17.5	9.23
1.70V	564	397	304	188	140	114	70.8	65.0	46.7	33.9	31.2	25.1	20.7	17.4	9.18
1.75V	516	390	296	187	137	112	69.9	64.0	46.2	33.5	30.8	24.8	20.5	17.2	9.15
1.80V	461	379	274	179	134	109	69.1	62.8	45.8	33.2	30.0	24.5	20.3	17.0	9.10
1.85V	408	348	244	163	123	100	67.1	59.7	43.1	32.2	28.5	23.8	19.5	16.5	8.95

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	1008	677	563	353	260	217	143	124	91.0	68.0	60.4	49.9	40.8	34.0	18.3
1.65V	968	671	557	350	258	215	142	124	90.0	67.2	60.1	49.3	40.5	33.6	18.3
1.70V	966	668	552	350	257	214	141	124	89.0	66.6	59.5	48.8	40.3	33.3	18.3
1.75V	898	661	545	349	254	212	139	123	89.0	66.0	59.2	48.4	39.9	33.0	18.1
1.80V	824	655	517	340	252	210	138	122	88.0	65.4	58.6	48.0	39.7	32.7	18.0
1.85V	737	608	460	312	234	195	135	117	84.0	64.2	55.9	47.1	38.2	32.1	17.9

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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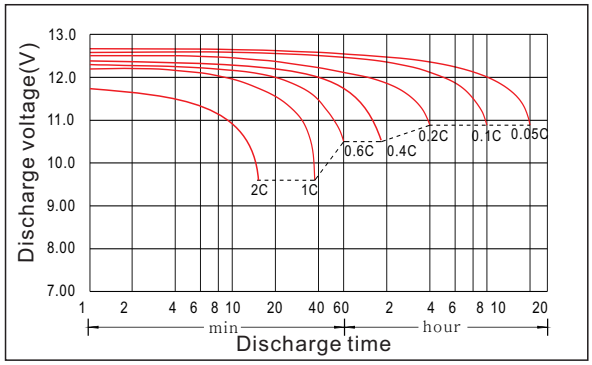
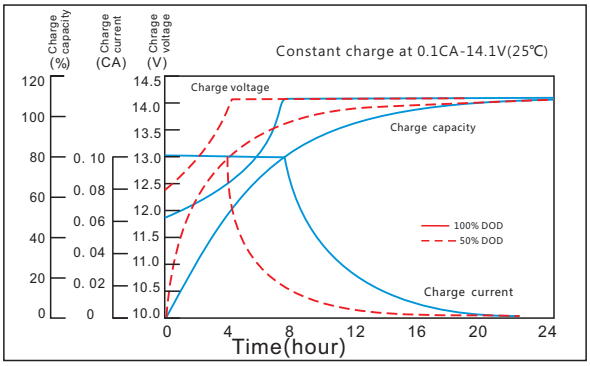
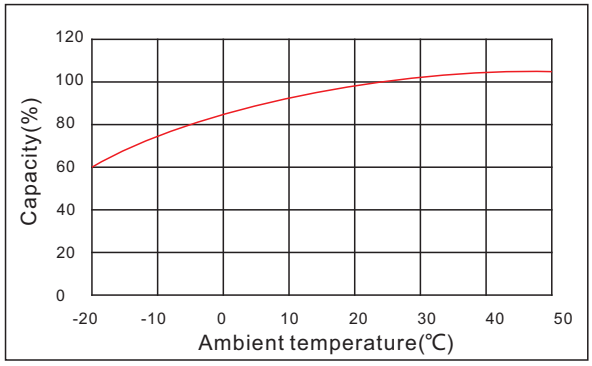
Discharge characteristic



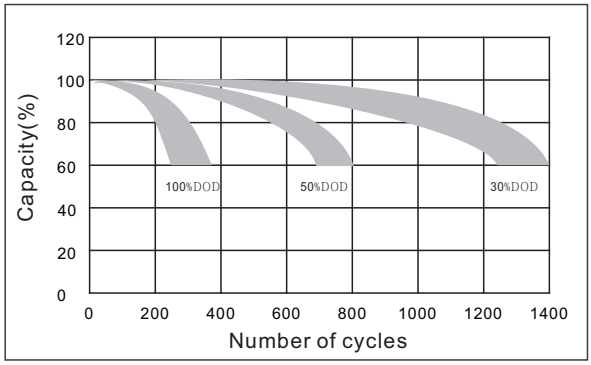
Charging characteristic



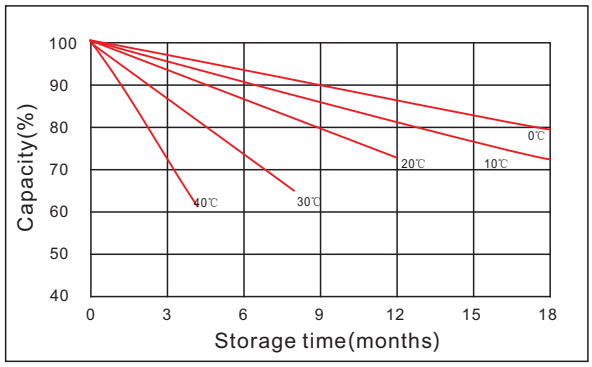
The effect of temperature on capacity



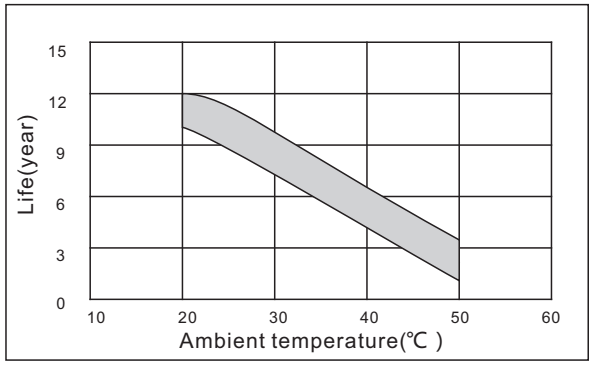
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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