

JF12-150



JF Series lead-acid battery

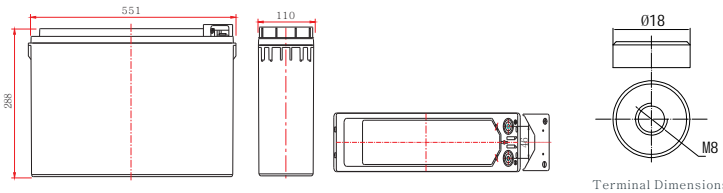
execution standard YD/T 2343-2011

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



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



Terminal Dimensions

Applications

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

Specification

Nominal Voltage	12V	
Nominal Capacity	150Ah	
Design life	12 years	
Terminal	M8	
Approx. Weight	Approx 44.5kg (98.1lbs)	
Container Material	ABS	
Rated Capacity	150Ah	10Hour Rate (15.0A to 10.8V)
	115.2Ah	3Hour Rate (38.4A to 10.2V)
	94.4Ah	1Hour Rate (94.4A to 9.6V)
Internal resistance	Full charged at 25°C: 5.40mΩ	
Max. Discharge Current	1800A(5S)	
Operating Temperature	Discharge: -20 ~50°C(-4~ 122°F)	
	Charge: -20 ~50°C(-4~ 122°F)	
	Storage: -20 ~50°C(-4~ 122°F)	
Charge current:	Max. 37.5A ; Recom. 15A	
Charge Method (25 °C)	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°C, 77°F)

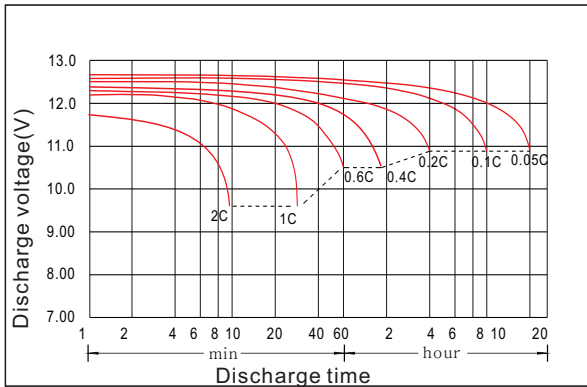
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	347	293	244	148	116	94.4	59.3	54.2	39.4	28.5	26.4	21.1	17.3	15.5	8.16
1.65V	337	291	238	146	115	92.8	58.7	53.9	38.9	28.2	26.1	20.8	17.2	15.3	7.99
1.70V	324	289	233	143	113	91.3	57.7	53.5	38.4	28.0	25.9	20.7	17.0	15.2	7.82
1.75V	298	285	225	141	112	89.7	57.1	52.7	38.0	27.7	25.6	20.4	16.8	15.1	7.66
1.80V	266	278	210	135	110	88.1	57.1	51.7	37.7	27.4	24.9	20.3	16.7	15.0	7.48
1.85V	238	257	186	124	101	82.7	55.5	49.1	35.5	26.6	23.6	19.7	16.1	14.4	7.30

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

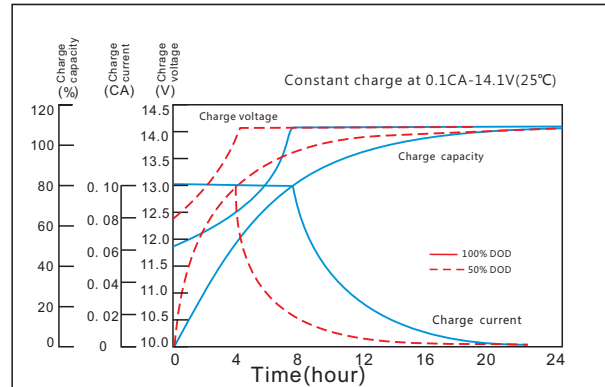
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	583	495	431	268	215	180	116	106	74.9	54.9	50.1	40.9	33.7	29.8	15.8
1.65V	560	491	424	267	213	177	115	105	73.9	54.3	49.8	40.4	33.5	29.6	15.5
1.70V	557	488	419	265	211	175	114	104	73.5	54.0	49.4	40.1	33.3	29.1	15.2
1.75V	519	484	417	264	209	172	112	102	73.1	53.4	49.1	39.6	33.0	28.9	14.9
1.80V	477	480	393	259	207	169	111	101	72.8	53.1	48.6	39.3	32.8	28.6	14.6
1.85V	426	449	352	237	193	161	109	96.3	69.2	52.1	46.3	38.5	31.6	28.1	14.2

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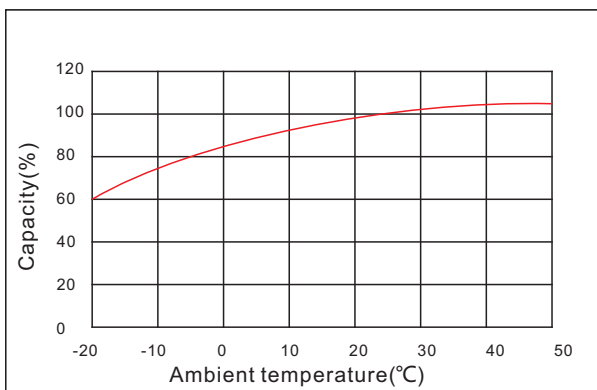
Discharge characteristic



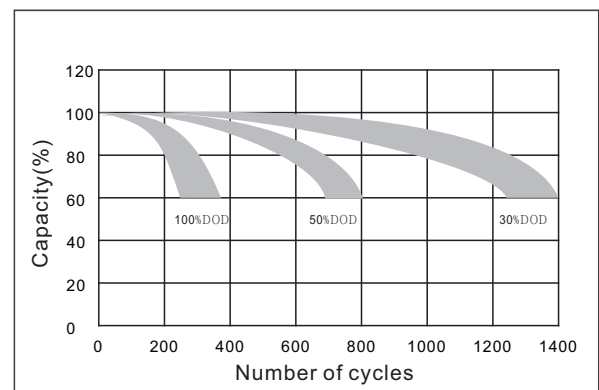
Charging characteristic



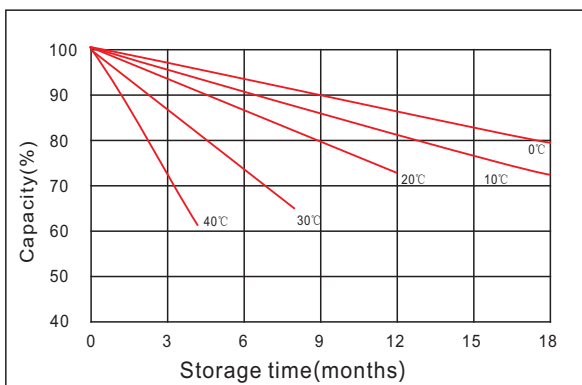
The effect of temperature on capacity



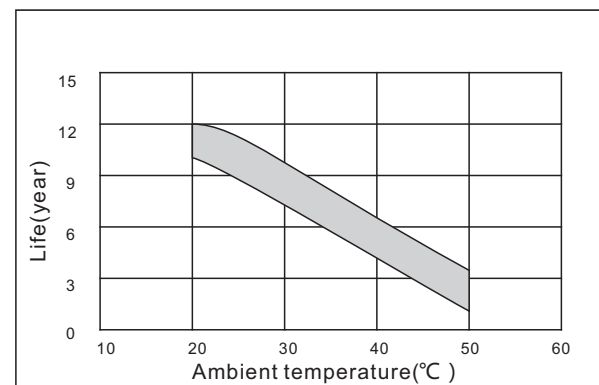
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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