

JF12-150

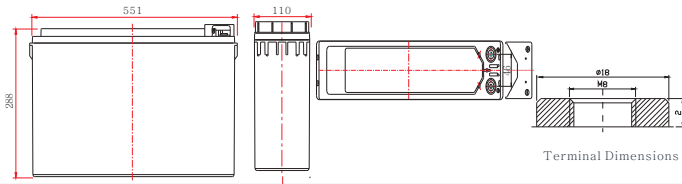


General Features

- > 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



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	10 years		
Terminal	M8		
Approx. Weight	Approx 45.0kg (99.2lbs)		
Container Material	ABS		
Rated Capacity	150Ah	10Hour Rate	(15.0A to 10.8V)
	121Ah	3Hour Rate	(40.3A to 10.8V)
	98.2Ah	1Hour Rate	(98.2A to 10.5V)
Internal resistance	Full charged at 25°C: 3.60mΩ		
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)

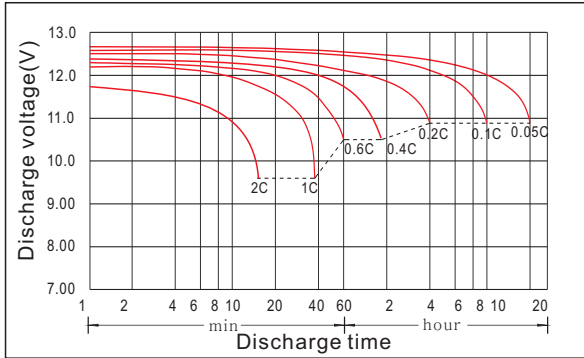
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	529	284	173	101	57.9	42.0	28.2	18.5	15.6	8.19
1.65V	512	275	170	100	57.6	41.6	27.9	18.4	15.5	8.15
1.70V	492	269	167	100	57.2	41.0	27.6	18.2	15.3	8.10
1.75V	452	261	165	98.2	56.3	40.6	27.3	18.1	15.2	8.07
1.80V	406	243	158	95.7	55.3	40.3	26.6	17.9	15.0	8.03
1.85V	362	217	144	88.6	52.5	37.9	25.3	17.2	14.6	7.89

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

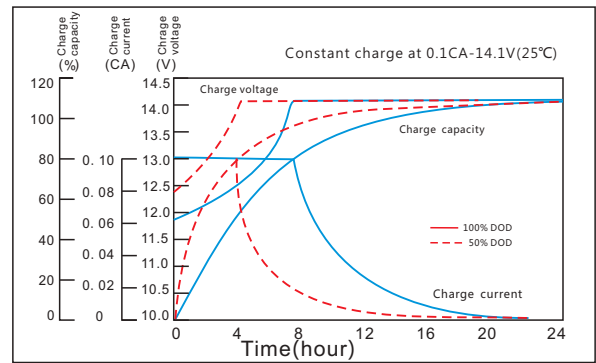
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	886	500	313	191	110	80.0	53.5	36.0	30.0	16.2
1.65V	852	491	310	189	109	78.9	53.2	35.7	29.7	16.1
1.70V	848	486	310	188	109	78.5	52.8	35.6	29.4	16.1
1.75V	791	483	308	187	108	78.1	52.5	35.3	29.1	16.0
1.80V	726	456	301	185	108	77.8	51.9	35.0	28.8	15.9
1.85V	648	408	276	172	103	73.9	49.5	33.8	28.4	15.8

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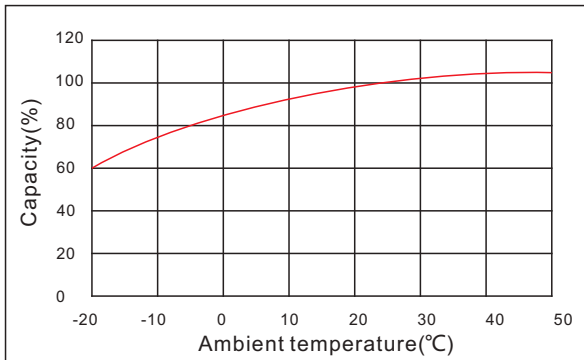
Discharge characteristic



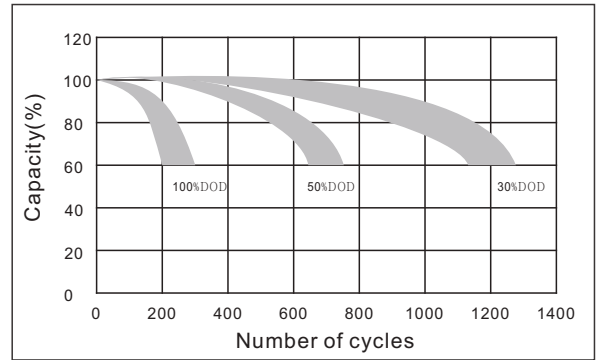
Charging characteristic



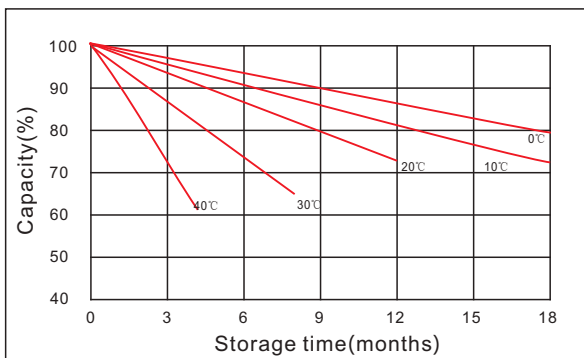
The effect of temperature on capacity



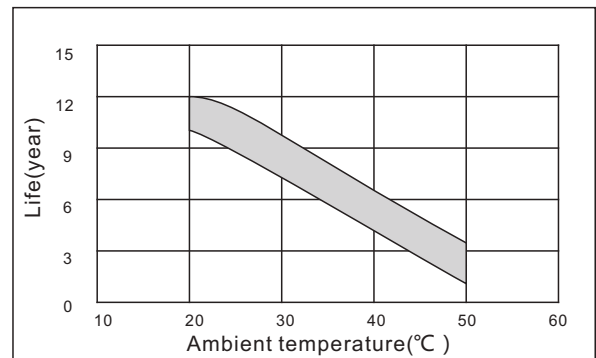
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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