

JF12-200

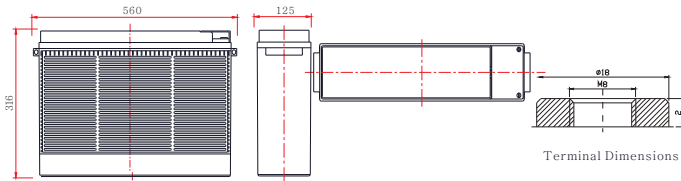


General Features

- > 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



Dimension: 560(L)×125(W)×316(H)×316(TH) Unit: mm



JF Series lead-acid battery

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	200Ah		
Design life	10 years		
Terminal	M8		
Approx. Weight	Approx 58.7kg (129lbs)		
Container Material	ABS		
Rated Capacity	200Ah	10Hour Rate	(20.0A to 10.8V)
	161Ah	3Hour Rate	(53.7A to 10.8V)
	131Ah	1Hour Rate	(131A to 10.5V)
Internal resistance	Full charged at 25°C: 3.10mΩ		
Max. Discharge Current	2400A(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. 50A ; Recom.20A		
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)

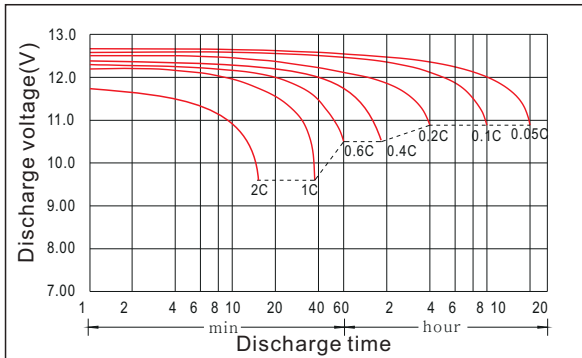
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	705	379	230	135	77.2	56.1	37.6	24.7	20.8	10.9
1.65V	683	367	226	134	76.8	55.5	37.2	24.5	20.6	10.9
1.70V	656	359	222	133	76.2	54.7	36.8	24.3	20.4	10.8
1.75V	603	348	221	131	75.1	54.1	36.5	24.1	20.2	10.8
1.80V	541	324	211	128	73.7	53.7	35.5	23.9	20.0	10.7
1.85V	482	289	192	118	70.0	50.6	33.7	22.9	19.4	10.5

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

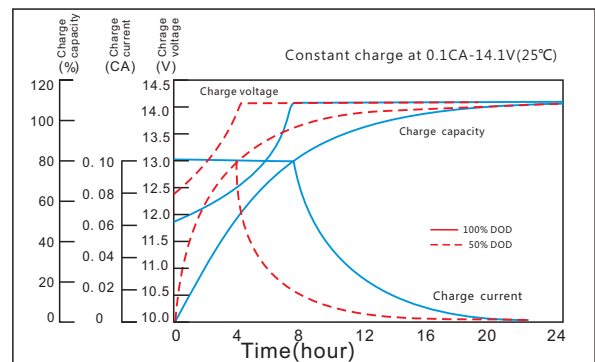
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1181	667	417	255	146	107	71.3	48.0	40.0	21.6
1.65V	1136	655	413	253	146	105	71.0	47.6	39.6	21.5
1.70V	1131	647	413	251	145	105	70.4	47.4	39.2	21.4
1.75V	1054	643	411	249	144	104	70.0	47.0	38.8	21.3
1.80V	968	608	401	247	144	104	69.2	46.6	38.4	21.2
1.85V	865	544	368	229	137	98.6	66.1	45.1	37.8	21.0

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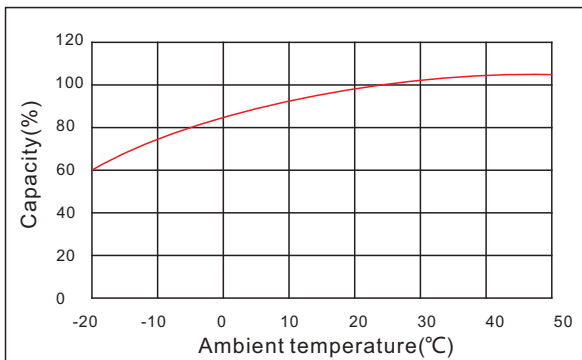
Discharge characteristic



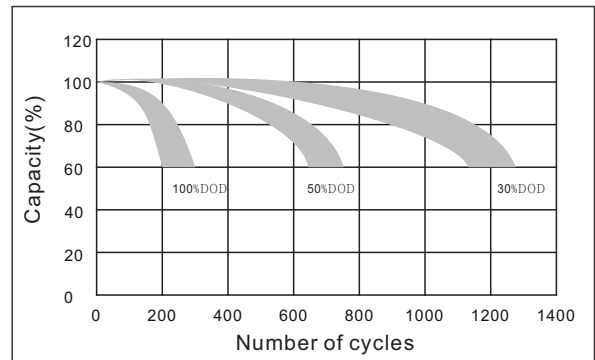
Charging characteristic



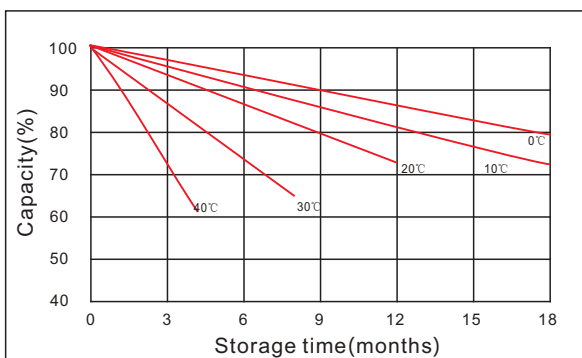
The effect of temperature on capacity



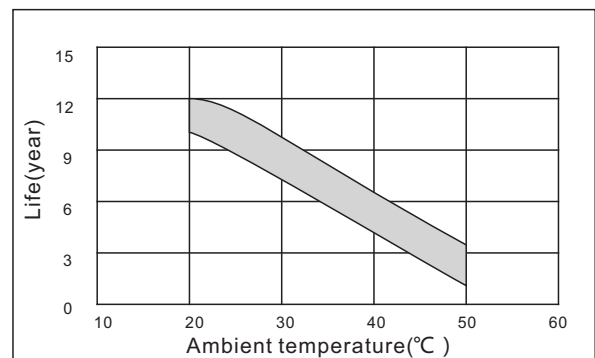
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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