

JF12-180



JF Series lead-acid battery

Executive standard YD/T 2343-2011

Applications

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

Specification

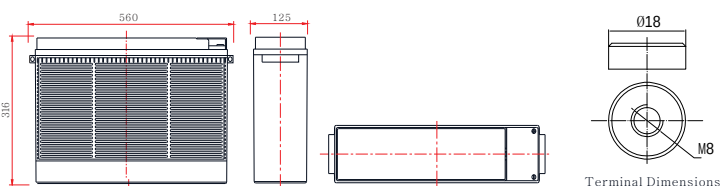
Nominal Voltage	12V
Nominal Capacity	180Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 53.5kg (118lbs)
Container Material	ABS
Rated Capacity	180Ah 10Hour Rate (18.0A to 10.8V)
	147.6Ah 3Hour Rate (49.2A to 10.2V)
	121Ah 1Hour Rate (121A to 9.6V)
Internal resistance	Full charged at 25°C: 4.50mΩ
Max. Discharge Current	2160A(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. 45A ; Recom.18A
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

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



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	634	421	341	207	148	121	76.0	69.5	50.5	36.5	33.9	27.0	22.2	18.7	9.83
1.65V	615	418	330	204	147	120	75.2	69.1	49.9	36.1	33.5	26.7	22.1	18.5	9.77
1.70V	590	418	323	200	147	120	74.8	68.6	49.2	35.9	33.2	26.5	21.9	18.4	9.72
1.75V	543	411	313	198	145	118	74.0	67.6	48.7	35.5	32.8	26.2	21.7	18.2	9.67
1.80V	487	400	292	190	141	115	73.2	66.3	48.3	35.1	31.9	26.0	21.5	18.0	9.63
1.85V	434	369	260	173	130	106	71.2	63.0	45.5	34.1	30.3	25.2	20.6	17.5	9.47

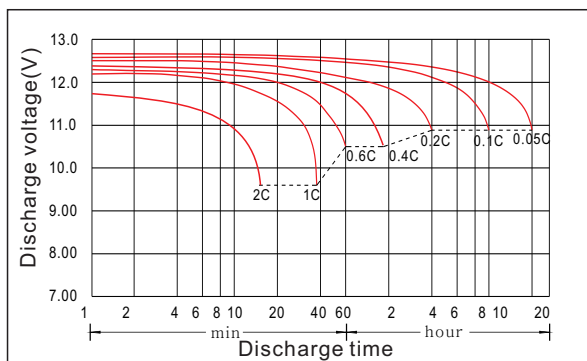
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1063	714	600	375	275	229	152	131	96.0	72.0	64.2	52.8	43.2	36.0	19.4
1.65V	1023	708	590	371	272	227	150	131	94.7	71.2	63.9	52.2	42.9	35.6	19.4
1.70V	1017	705	583	371	271	226	149	131	94.2	70.6	63.3	51.8	42.7	35.3	19.3
1.75V	949	699	579	370	269	224	147	130	93.7	69.8	63.0	51.2	42.3	34.9	19.2
1.80V	871	693	548	361	266	222	146	129	93.3	69.2	62.3	50.7	42.0	34.6	19.1
1.85V	778	643	489	331	247	206	143	124	88.7	68.0	59.4	49.9	40.5	34.0	18.9

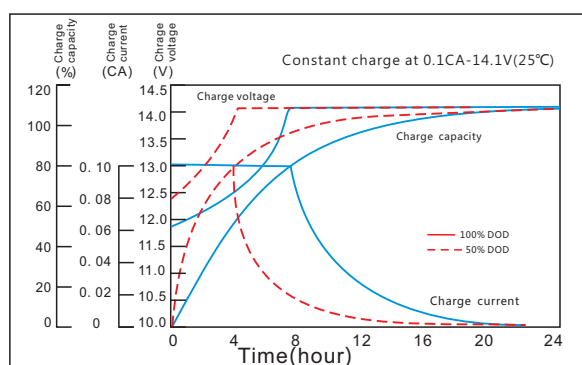
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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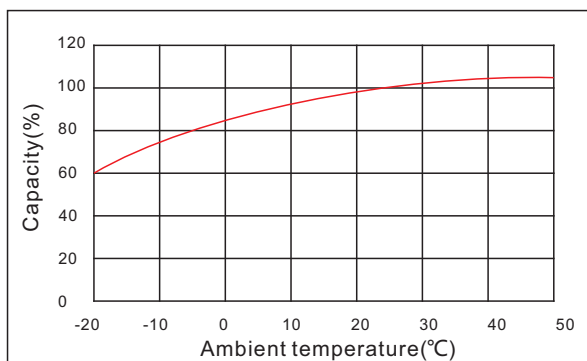
Discharge characteristic



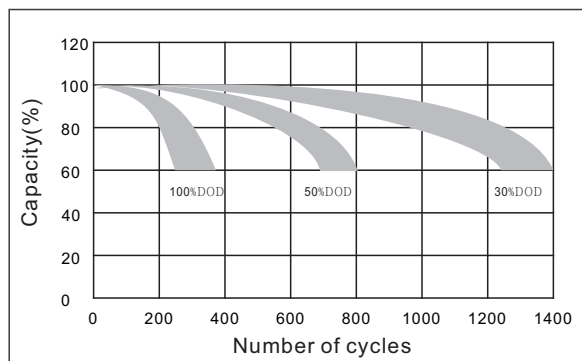
Charging characteristic



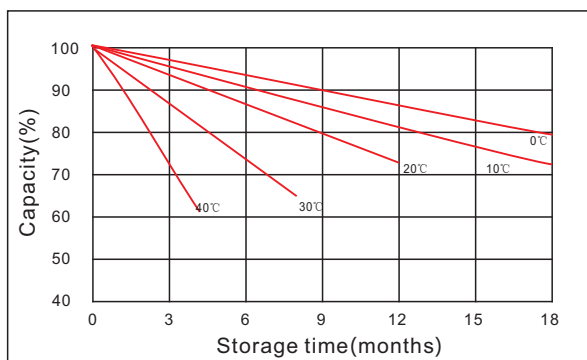
The effect of temperature on capacity



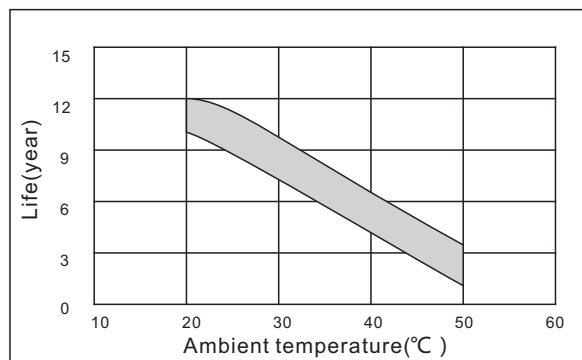
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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