

JM12-100



Applications

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

Specification

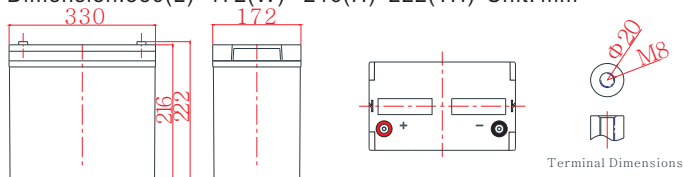
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 29.0kg (63.93lbs)
Container Material	ABS
Rated Capacity	100Ah 10Hour Rate(10.00A to 10.8V)
	81.9Ah 3Hour Rate(27.3A to 10.2V)
	65.5Ah 1Hour Rate (65.5A to 9.60V)
Internal resistance	Full charged at 25°C: 4.5 mΩ
Max. Discharge Current	1200A(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. 25A ; Recom.10A
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

- › High corrosion resistant performance: Pb-Ca multi-alloy grid
- › High energy density and power density
- › Optimized capability of instant high-current discharging
- › Excellent charge acceptance ability
- › Excellent deep cycle discharge capability
- › Strong high and low temperature performance
- › Precision sealing technology
- › Long life



Dimension:330(L)×172(W)×216(H)×222(TH) Unit: mm



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	100	65.5	37.6	28.0	18.8	12.3	10.4	5.33
1.65V	98	65.1	37.4	27.8	18.7	12.2	10.3	5.30
1.70V	96	64.6	37.1	27.3	18.4	12.1	10.2	5.27
1.75V	95	63.7	36.5	27.0	18.2	12.0	10.1	5.25
1.80V	91	62.0	35.9	26.9	17.8	12.0	10.0	5.23
1.85V	83	57.5	34.0	25.3	16.9	11.4	9.7	5.13

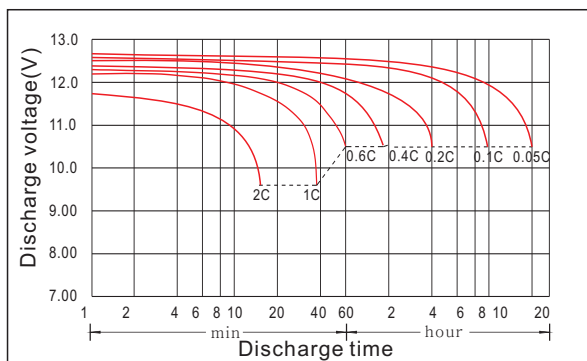
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	181	124	71.0	53.3	35.7	24.0	20.0	10.5
1.65V	179	123	70.8	52.7	35.4	23.8	19.8	10.5
1.70V	179	122	70.6	52.3	35.2	23.7	19.6	10.4
1.75V	178	121	70.1	52.0	35.0	23.6	19.4	10.4
1.80V	173	120	69.9	51.9	34.6	23.3	19.2	10.3
1.85V	159	111	66.8	49.3	33.0	22.6	18.9	10.3

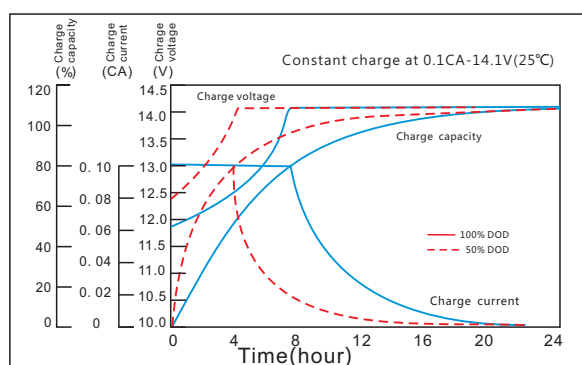
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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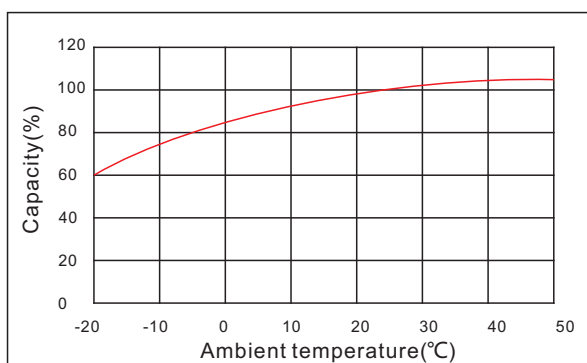
Discharge characteristic



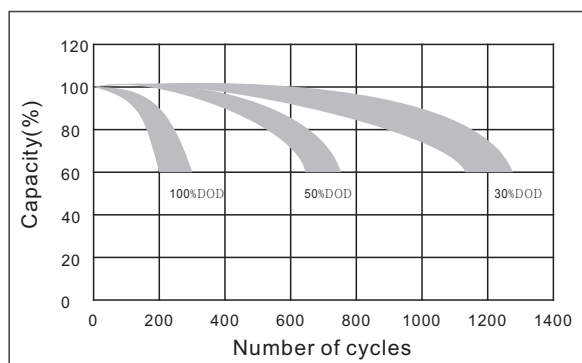
Charging characteristic



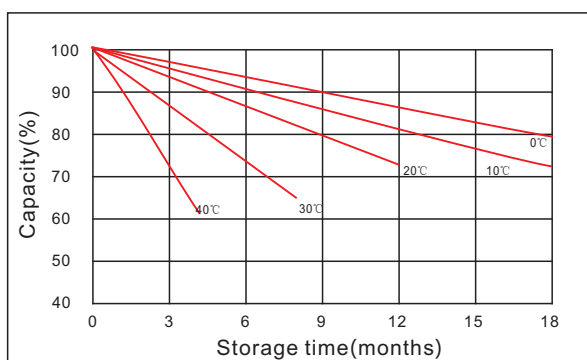
The effect of temperature on capacity



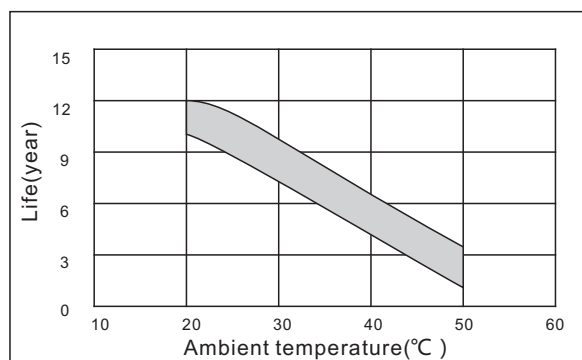
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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