

JL2-100



JL series lead-acid battery

Applications

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

Specification

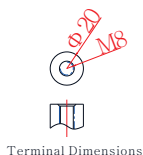
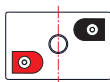
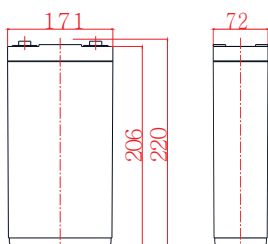
Nominal Voltage	2V
Nominal Capacity	100Ah
Design life	10 years
Terminal	M6
Approx. Weight	Approx 6.00kg (13.2lbs)
Container Material	ABS
Rated Capacity	100Ah 10Hour Rate (10.0A to 1.80V)
	75.3Ah 3Hour Rate (25.1A to 1.80V)
	56.4Ah 1Hour Rate (56.4A to 1.75V)
Internal resistance	Full charged at 25°C: 1.20 mΩ
Max. Discharge Current	1000A(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. 20A ; Recom.10.0A
Charge Method (25 °C)	Float Charge:2.23-2.27V,recom.2.25V(-3mV/ °C)
	Equalize charge:2.30-2.35V,recom.2.35V(-4mV/ °C)
	Cycle charge:2.40-2.50V,recom.2.40V(-5mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- Long life
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology



Dimension: 171(L)×72(W) ×206(H)×220(TH) Unit: mm



Terminal Dimensions

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

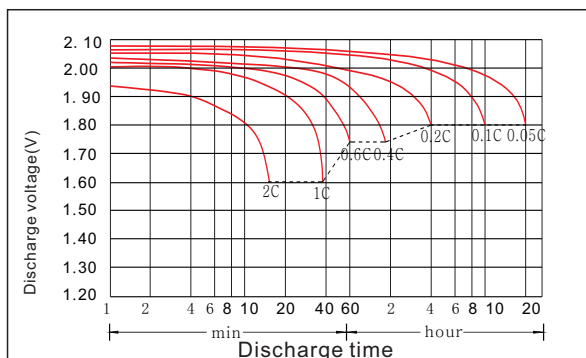
FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	144	106	66.6	39.3	28.8	19.4	13.2	10.8	5.79
1.65V	134	100	63.2	38.4	28.1	18.9	13.0	10.7	5.74
1.70V	126	93.8	60.4	37.0	27.3	18.8	12.8	10.6	5.66
1.75V	119	87.2	57.6	35.7	26.5	18.2	12.6	10.4	5.57
1.80V	112	81.6	53.9	33.7	25.6	17.8	12.4	10.0	5.35
1.85V	100	72.7	49.1	31.4	24.3	17.2	12.0	9.90	5.30

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

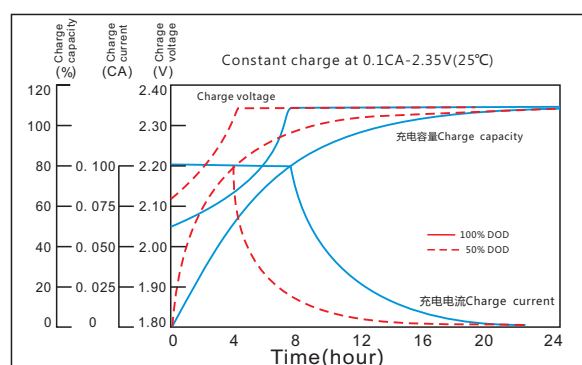
FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	244	195	137	82.5	60.5	41.0	27.8	22.9	12.2
1.65V	235	187	127	79.9	58.3	39.7	27.3	22.4	12.0
1.70V	226	179	121	76.9	56.1	39.0	26.7	21.7	11.6
1.75V	218	173	116	74.1	54.0	38.0	25.7	21.4	11.5
1.80V	208	167	109	70.6	52.1	36.9	25.1	21.1	11.3
1.85V	189	149	101	64.6	49.4	35.3	24.3	20.3	10.8

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.

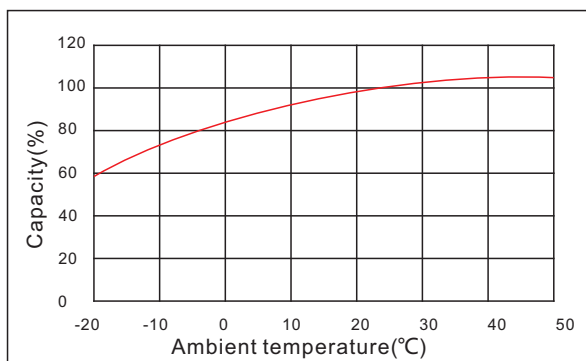
Discharge characteristic



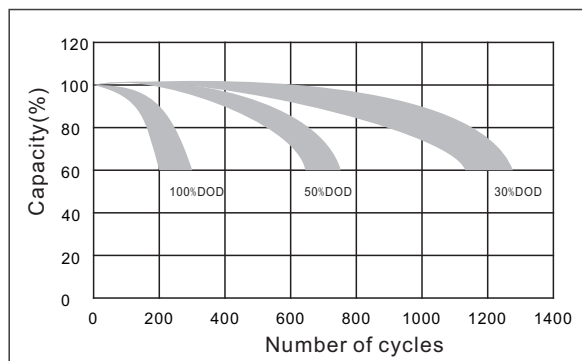
Charging characteristic



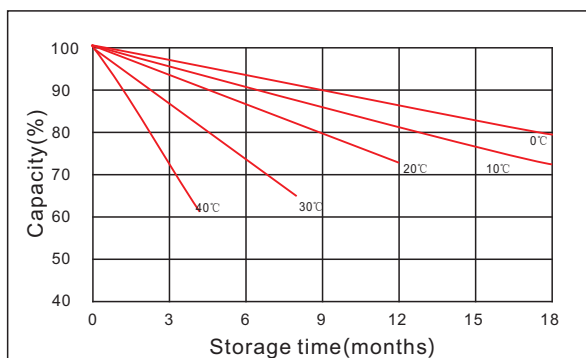
The effect of temperature on capacity



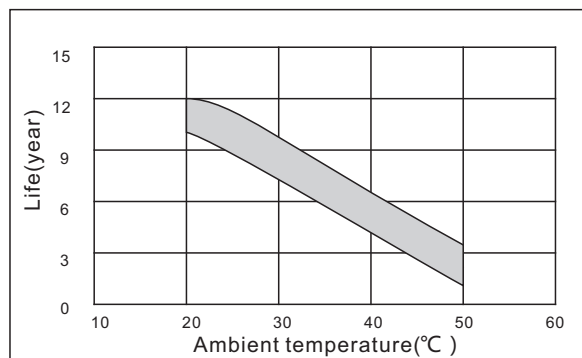
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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