



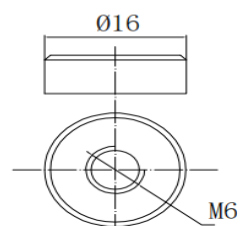
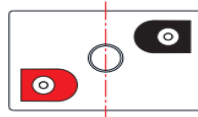
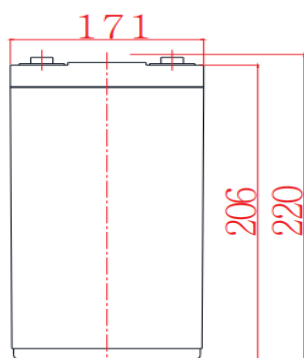
JL Series lead-acid battery JL2-100A

General Features

- 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:171(L)×72(W) ×205(H)×220(TH)/(±3) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	2V
Nominal Capacity	100Ah@10Hour-rate to 1.80V @25°C
Design life	10 years
Terminal	M6
Approx. Weight	Approx. 6.0kg ±3%(13.2lbs±3%)
Container Material	ABS(UL94HB, UL94-V0 optional)
short-circuit current	2000A
Internal resistance(Full charged at 25°C:)	1.0 mΩ
Self discharge	3% of capacity declined per month at 25°C

Operating Temperature

Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method(25 °C)

Charge current:	Max. 25.0A;Recom.10.0A
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)

Standards

Executive standard YD/T 799-2010

Applications

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

Rated Capacity

10Hour Rate (10.0A to 1.80V)	100Ah
3Hour Rate (25.0A to 1.80V)	75Ah
1Hour Rate (55A to 1.75V)	55Ah

Attain Certificate

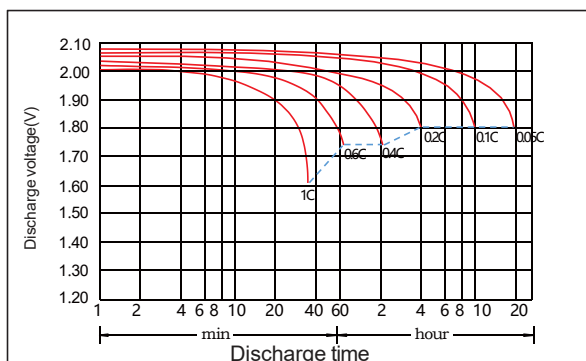
			RoHS

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.

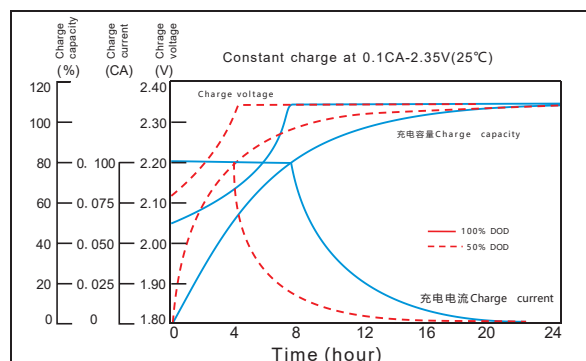


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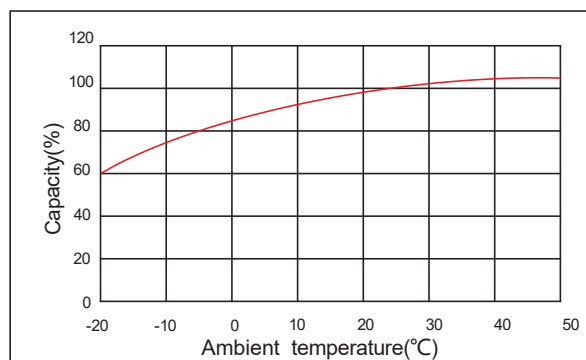
Discharge characteristic



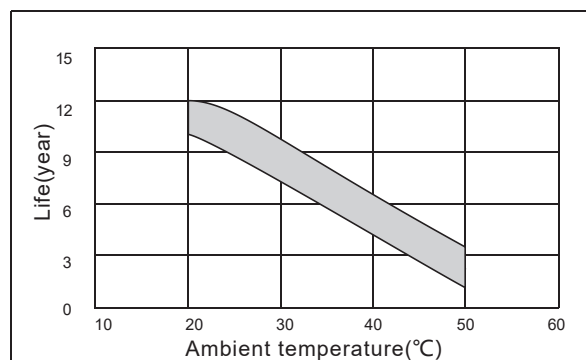
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	125.0	81.7	69.7	57.7	44.3	39.3	28.1	21.1	19.4	15.6	13.2	10.8	5.56
1.67V	117.0	76.8	66.7	56.7	43.7	38.3	27.4	20.9	18.9	15.5	13.0	10.7	5.49
1.70V	108.0	71.9	63.7	55.5	43.0	37.0	26.6	20.6	18.8	15.2	12.8	10.6	5.43
1.75V	98.9	67.1	61.0	55.0	42.3	35.7	25.8	20.3	18.2	15.0	12.6	10.4	5.33
1.80V	92.2	62.7	58.3	53.7	41.0	33.7	25.0	19.5	17.8	14.4	12.4	10.0	5.14
1.85V	81.0	55.8	52.0	48.5	40.3	31.4	23.7	19.3	17.2	14.3	12.0	9.9	5.01

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

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	220.0	149.0	129.0	108.0	83.2	73.8	52.9	40.3	36.9	29.9	25.3	21.0	10.90
1.67V	208.0	140.0	123.0	107.0	82.0	72.0	51.5	39.8	36.3	29.5	24.9	20.8	10.80
1.70V	194.0	132.0	118.0	104.0	80.8	69.6	50.1	39.1	35.7	29.1	24.5	20.5	10.60
1.75V	181.0	123.0	113.0	103.0	79.4	67.2	48.5	38.3	34.6	28.6	24.3	20.2	10.50
1.80V	171.0	115.0	108.0	101.0	77.0	63.3	47.0	37.4	33.8	27.6	23.7	19.4	10.10
1.85V	151.0	103.0	97.3	91.5	76.0	59.0	44.6	36.3	32.7	27.2	23.1	19.3	10.00