

JL2-150



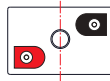
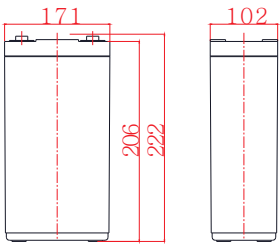
JL series lead-acid battery

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)×102(W)×206(H)×222(TH) Unit: mm



Terminal Dimensions

Applications

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

Specification

Nominal Voltage	2V	
Nominal Capacity	150Ah	
Design life	12 years	
Terminal	M8	
Approx. Weight	Approx 8.30kg (18.3lbs)	
Container Material	ABS	
Rated Capacity	150Ah	10Hour Rate (15.0A to 1.80V)
	116Ah	3Hour Rate (38.5A to 1.80V)
	86.4Ah	1Hour Rate (86.4A to 1.75V)
Internal resistance	Full charged at 25°C: 0.90 mΩ	
Max. Discharge Current	1500A(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. 30A ; Recom.15.0A	
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	

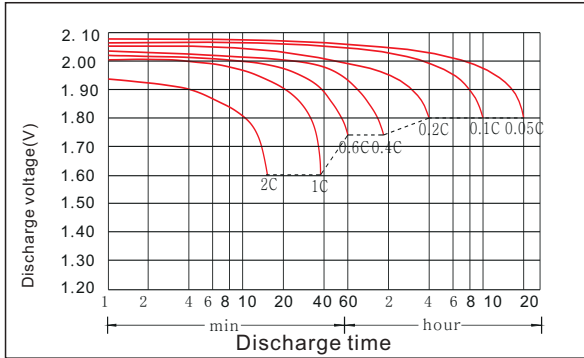
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	216	160	100	58.9	43.2	29.1	19.8	16.2	8.69
1.65V	201	150	94.8	57.6	42.2	28.4	19.5	16.1	8.61
1.70V	188	141	90.6	55.4	40.9	28.1	19.2	15.9	8.48
1.75V	178	131	86.4	53.5	39.7	27.4	18.9	15.6	8.36
1.80V	168	122	80.9	50.6	38.5	26.7	18.6	15.0	8.03
1.85V	149	109	73.6	47.1	36.5	25.8	18.0	14.9	7.94

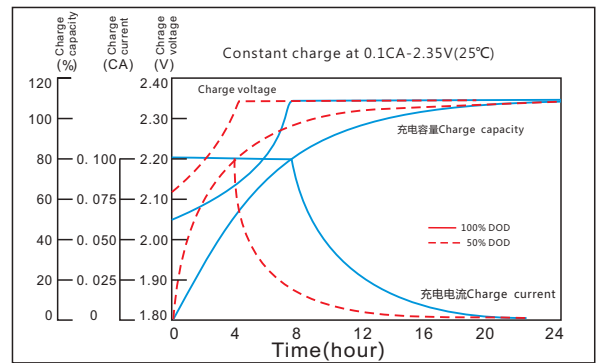
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	367	292	206	124	90.8	61.5	41.7	34.3	18.4
1.65V	352	281	190	120	87.5	59.5	41.0	33.6	18.0
1.70V	339	269	181	115	84.2	58.4	40.1	32.6	17.4
1.75V	327	260	174	111	80.9	56.9	38.6	32.1	17.2
1.80V	311	251	164	106	78.2	55.3	37.6	31.6	16.9
1.85V	283	223	152	96.9	74.1	52.9	36.4	30.4	16.3

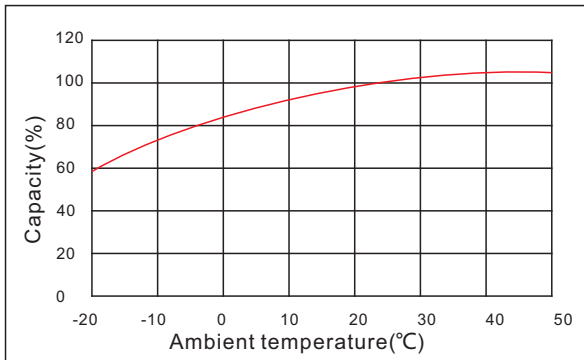
Discharge characteristic



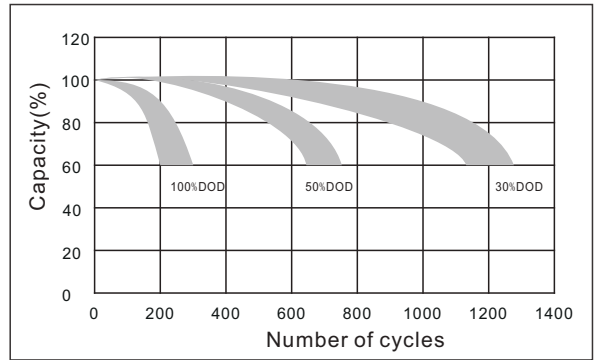
Charging characteristic



The effect of temperature on capacity



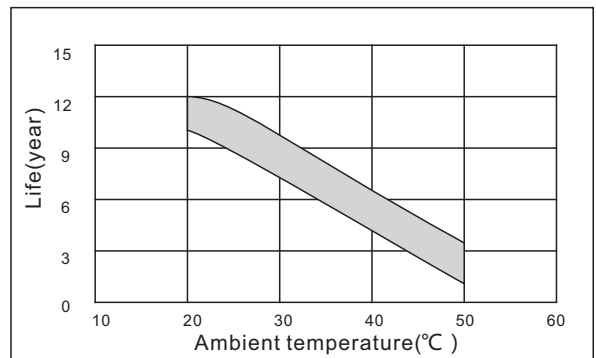
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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