



JL series lead-acid battery

Executive standard YD/T 799-2010

Applications

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

Specification

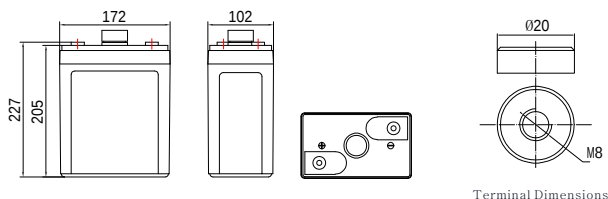
Nominal Voltage	2V
Nominal Capacity	150Ah
Design life	12 years
Terminal	M8
Approx. Weight	Approx 7.8kg (17.2lbs)
Container Material	ABS
Rated Capacity	150Ah 10Hour Rate (15.0A to 1.80V)
	112.5Ah 3Hour Rate (37.5A to 1.80V)
	82.5Ah 1Hour Rate (82.5A to 1.75V)
Internal resistance	Full charged at 25°C: 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)

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: 172(L)×102(W)×205(H)×227(TH) Unit: mm



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

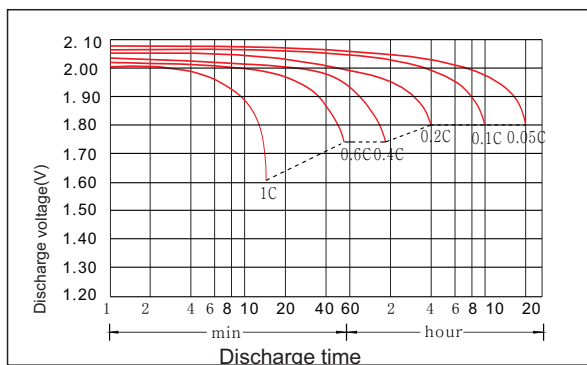
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	265	225	187	122	105	86.5	66.5	59.0	42.2	31.7	29.1	23.5	19.8	16.3	8.34
1.65V	245	208	175	115	100	85.0	65.5	57.5	41.1	31.4	28.4	23.2	19.5	16.1	8.24
1.70V	226	193	162	108	95.5	83.3	64.5	55.5	39.9	30.9	28.2	22.9	19.2	15.9	8.14
1.75V	201	173	148	101	91.5	82.5	63.5	53.5	38.7	30.4	27.4	22.5	19.0	15.6	8.00
1.80V	173	154	138	94.1	87.5	80.6	61.5	50.5	37.5	29.3	26.7	21.7	18.6	15.0	7.71
1.85V	152	135	122	83.7	78.0	72.7	60.5	47.1	35.6	29.0	25.8	21.4	18.1	14.9	7.52

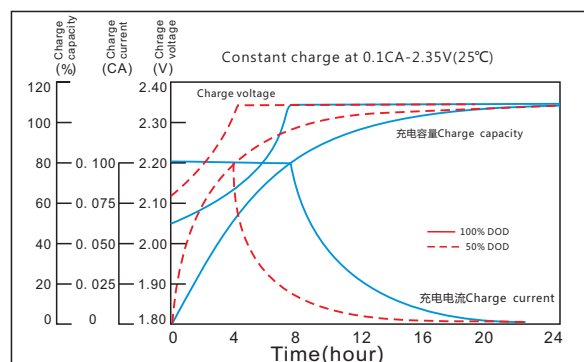
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	445	381	331	224	193	162	125	111	79.3	60.5	55.3	44.8	37.9	31.5	16.3
1.65V	406	352	312	211	185	160	123	108	77.3	59.7	54.5	44.3	37.3	31.2	16.1
1.70V	389	326	291	197	177	157	121	104	75.1	58.6	53.5	43.6	36.8	30.8	16.0
1.75V	351	295	271	184	170	155	119	101	72.8	57.5	52.0	43.0	36.4	30.2	15.8
1.80V	311	265	256	173	162	151	115	94.9	70.5	56.2	50.7	41.4	35.6	29.2	15.2
1.85V	271	235	227	155	146	137	114	88.5	66.9	54.5	49.0	40.9	34.7	28.9	15.0

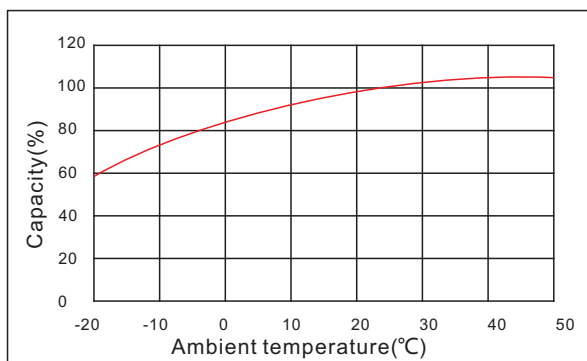
Discharge characteristic



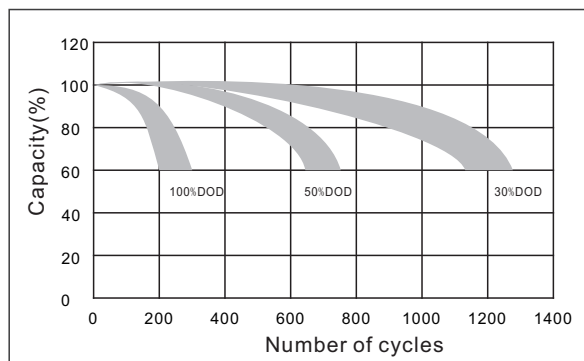
Charging characteristic



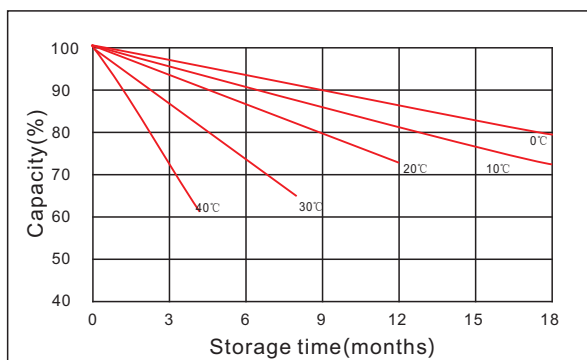
The effect of temperature on capacity



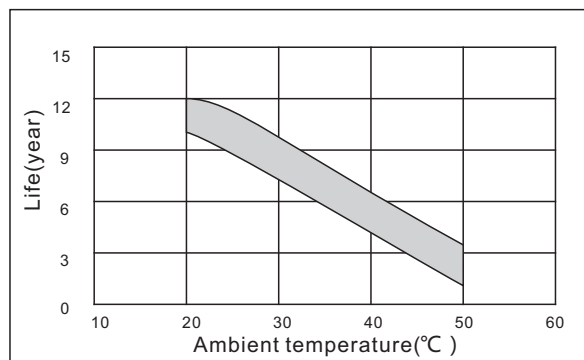
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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