京九电源
KIJO BATTERY

JL series lead-acid battery

Executive standard YD/T 799-2010

JL2-400

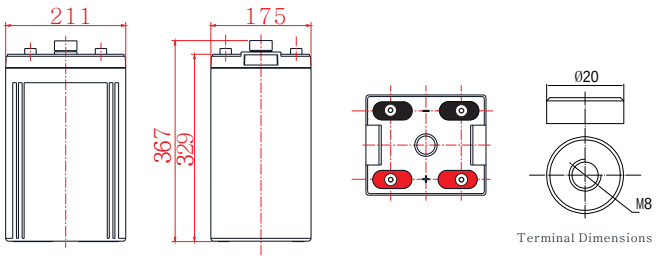
Applications

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

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: 211(L)×175(W) ×329(H)×367(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	2V		
Nominal Capacity	400Ah		
Design life	12 years		
Terminal	M8		
Approx. Weight	Approx 25.2kg (55.6lbs)		
Container Material	ABS		
Rated Capacity	400.0Ah	10Hour Rate	(40.0A to 1.80V)
	300.0Ah	3Hour Rate	(100A to 1.80V)
	220.0Ah	1Hour Rate	(220A to 1.75V)
Internal resistance	Full charged at 25°C:		0.72 mΩ
Max. Discharge Current	4000A(5S)		
Operating Temperature	Discharge:		-20 ~50℃(-4~ 122°F)
	Charge:		-20 ~50℃(-4~ 122°F)
	Storage:		-20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Charge current:		Max. 80.0A ; Recom.40.0A
	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)		
Self discharge	3% of capacity declined per month at 25°C		

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	707	600	500	327	279	231	177	157	112	84.5	77.6	62.5	52.7	43.3	22.2
1.65V	652	556	467	307	267	227	175	153	110	83.7	75.7	61.9	51.9	42.9	22.0
1.70V	603	514	432	288	255	222	172	148	107	82.4	75.1	60.9	51.1	42.3	21.7
1.75V	537	462	395	268	244	220	169	143	103	81.1	72.9	60.0	50.5	41.6	21.3
1.80V	461	410	369	251	233	215	164	135	100	78.0	71.2	57.7	49.5	40.0	20.6
1.85V	404	359	324	223	208	194	161	126	94.9	77.2	68.8	57.1	48.1	39.6	20.1

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1186	1016	882	598	515	433	333	295	211	161	147	119	101	84.1	43.6
1.65V	1084	939	832	562	493	426	328	288	206	159	145	118	99.6	83.3	43.1
1.70V	1037	868	775	527	472	417	323	278	200	156	143	116	98.0	82.2	42.6
1.75V	936	786	724	491	452	414	318	269	194	153	139	115	97.0	80.6	42.0
1.80V	828	708	682	462	432	404	308	253	188	150	135	110	95.0	77.8	40.5
1.85V	724	626	606	413	389	366	304	236	178	145	131	109	92.4	77.2	40.1

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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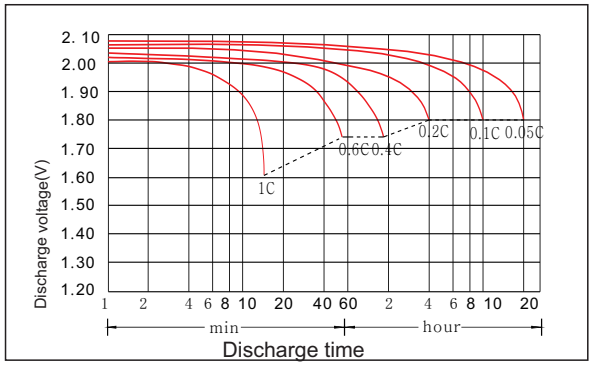
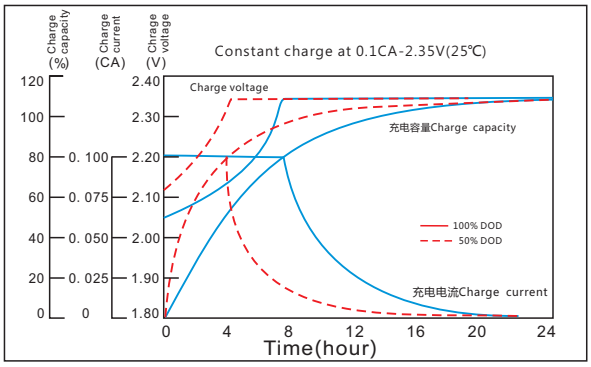
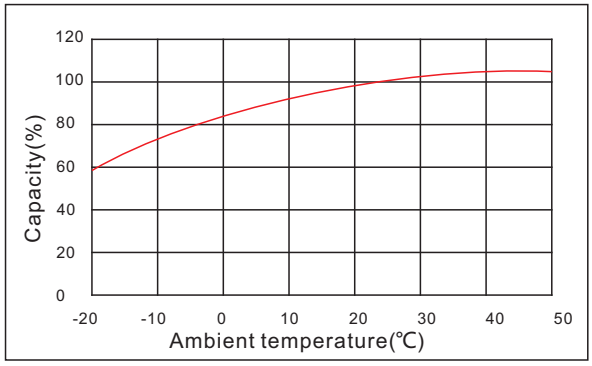
Discharge characteristic



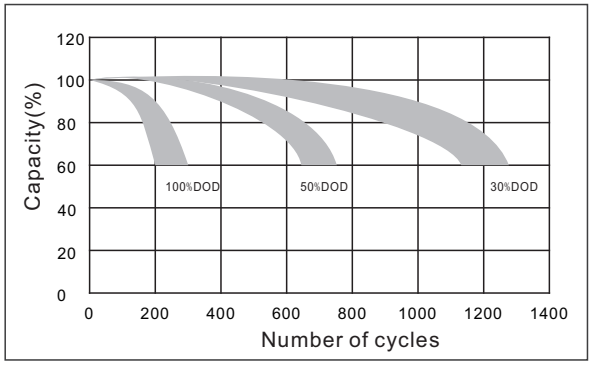
Charging characteristic



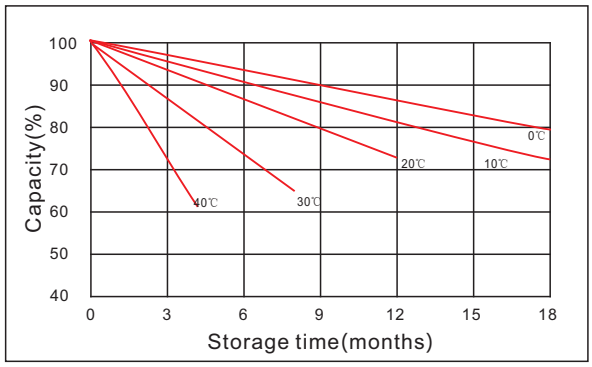
The effect of temperature on capacity



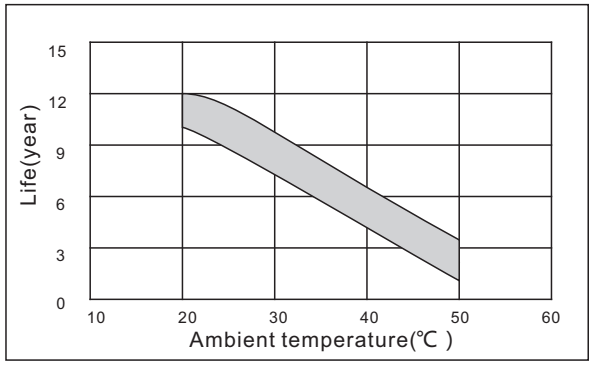
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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