京九电源
KIJO BATTERY

JL series lead-acid battery

JL2-500

Executive standard YD/T 799-2010

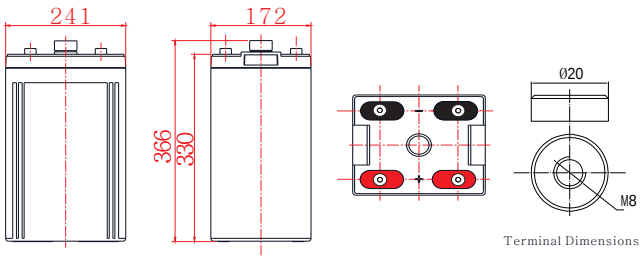
Applications

- 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: 241(L)×172(W) ×330(H)×366(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	2V		
Nominal Capacity	500Ah		
Design life	15 years		
Terminal	M8		
Approx. Weight	Approx 29.5kg (65.1lbs)		
Container Material	ABS		
Rated Capacity	500.0Ah	10Hour Rate	(50.0A to 1.80V)
	375.0Ah	3Hour Rate	(125A to 1.80V)
	275.0Ah	1Hour Rate	(275A to 1.75V)
Internal resistance	Full charged at 25°C:		0.7 mΩ
Max. Discharge Current	5000A(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. 100A ; Recom.50.0A	
	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	883	750	625	408	348	288	222	197	141	106	97.0	78.2	65.8	54.2	27.8
1.65V	815	695	583	384	333	283	218	192	137	105	94.7	77.3	64.8	53.7	27.5
1.70V	754	643	540	360	318	278	215	185	133	103	93.8	76.2	63.8	52.8	27.1
1.75V	671	578	494	335	305	275	212	178	129	101	91.2	75.0	63.2	52.0	26.7
1.80V	577	512	461	314	292	269	205	168	125	97.5	89.0	72.2	61.8	50.0	25.7
1.85V	505	449	405	279	260	242	202	157	119	96.5	86.0	71.3	60.2	49.5	25.1

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	1483	1270	1102	747	643	541	416	369	264	202	184	149	126	105	54.5
1.65V	1355	1174	1040	702	617	533	410	360	258	199	182	148	124	104	53.8
1.70V	1297	1086	969	658	590	522	404	348	250	195	178	145	123	103	53.2
1.75V	1170	982	905	614	565	517	397	336	243	192	173	143	121	101	52.5
1.80V	1035	885	853	577	540	505	385	316	235	187	169	138	119	97.2	50.6
1.85V	904	783	757	516	487	458	380	295	223	182	163	136	116	96.5	50.1

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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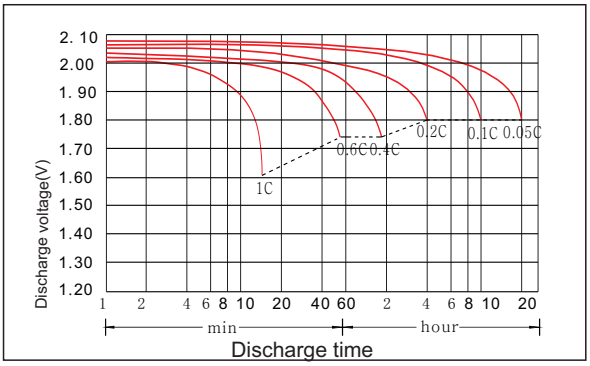
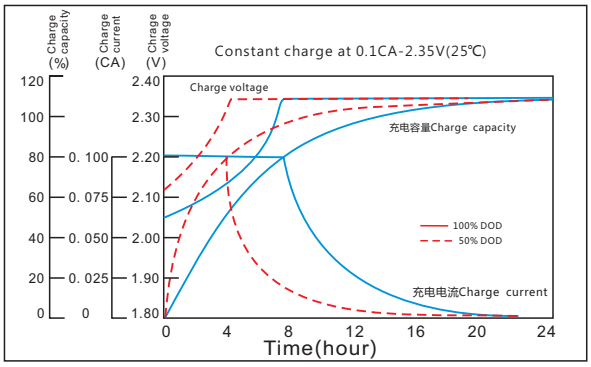
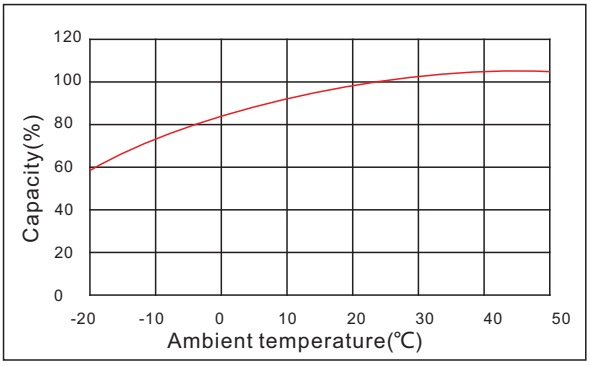
Discharge characteristic



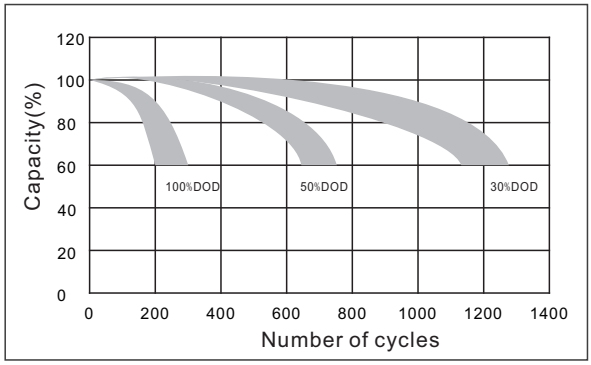
Charging characteristic



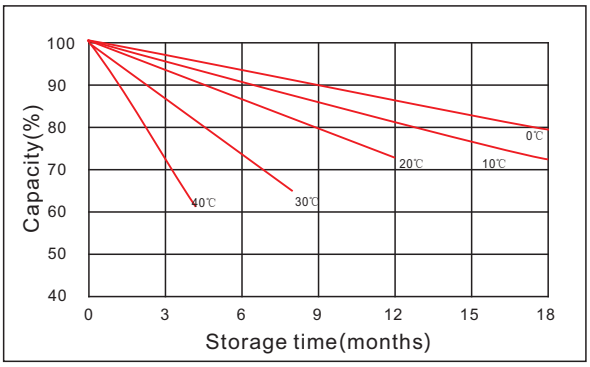
The effect of temperature on capacity



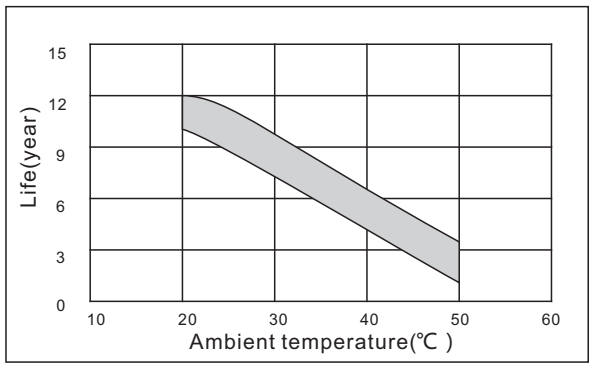
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



www.kijo.com.cn info@kijo.com.cn +86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power Science&Technology Co. Ltd.
Add:1388 Fushan No.1 Street, Xiaolan Economic Development Zone,Nanchang City,Jiangxi Province,China.

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, jiujiang City, Jiangxi Province, China.