

JS12-2.3

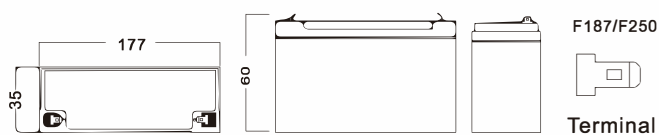


General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology



Dimension: 177(L)×35(W)×60(TH) Unit: mm



JS Series lead-acid battery

Applications

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

Specification

Nominal Voltage	12V
Nominal Capacity	2.3Ah
Design life	5 years
Terminal	F187/F250
Approx. Weight	Approx0.88kg (1.94lbs)
Container Material	ABS
Rated Capacity	2.300Ah 20Hour Rate (0.115A to 10.5V)
	1.788Ah 3Hour Rate (0.596A to 10.5V)
	1.52Ah 1Hour Rate (1.52A to 9.60V)
Internal resistance	Full charged at 25°C: 90.0 m
Max. Discharge Current	34.5A(5S)
Operating Temperature	Discharge: -20 ~50 (-4~ 122°F)
	Charge: -20 ~50 (-4~ 122°F)
	Storage: -20 ~50 (-4~ 122°F)
Charge current: Max.0.58A ; Recom.0.23A	
Charge Method (25 °C)	Float Charge:13.5-13.8V,recom.13.5V(-18mV/ °C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

Constant Current Discharge Characteristics Unit: A (25 77

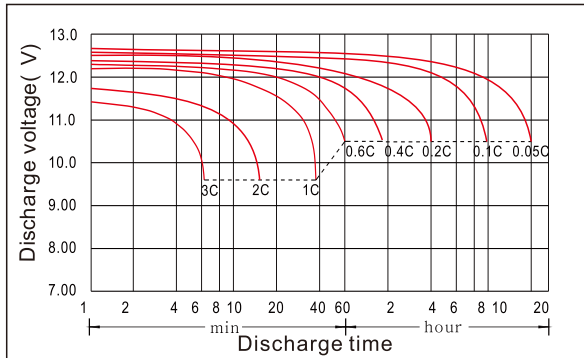
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	9.11	5.96	4.44	2.91	1.52	0.869	0.635	0.508	0.432	0.285	0.228	0.122
1.65V	9.04	5.70	4.07	2.76	1.43	0.835	0.616	0.492	0.423	0.281	0.225	0.120
1.70V	7.41	5.36	3.80	2.68	1.38	0.819	0.605	0.467	0.419	0.276	0.221	0.117
1.75V	6.88	5.11	3.54	2.62	1.33	0.798	0.596	0.460	0.400	0.269	0.216	0.115
1.80V	6.33	4.81	3.29	2.53	1.29	0.777	0.564	0.451	0.384	0.262	0.212	0.110

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

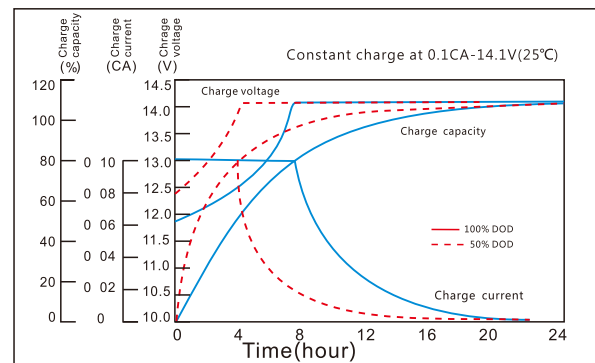
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	17.1	10.7	8.13	4.91	2.78	1.63	1.20	0.962	0.817	0.538	0.441	0.242
1.65V	15.8	10.2	7.63	4.88	2.62	1.57	1.17	0.932	0.801	0.530	0.433	0.235
1.70V	14.4	9.85	7.28	4.86	2.54	1.54	1.15	0.886	0.778	0.525	0.429	0.233
1.75V	13.1	9.55	7.02	4.81	2.46	1.50	1.13	0.874	0.763	0.503	0.419	0.228
1.80V	11.7	9.24	6.71	4.78	2.43	1.49	1.10	0.866	0.744	0.486	0.411	0.227

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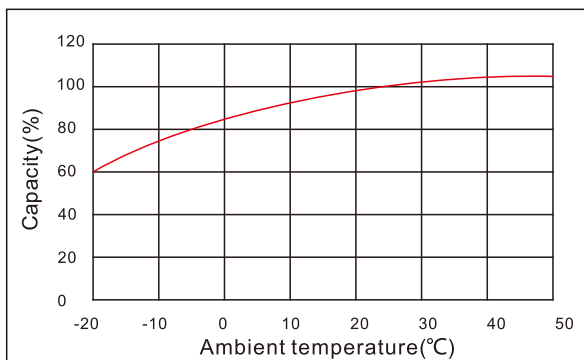
Discharge characteristic



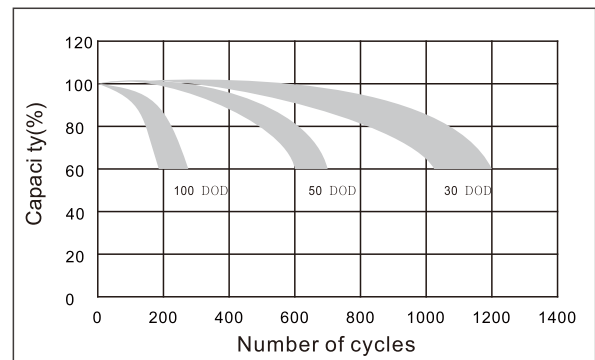
Charging characteristic



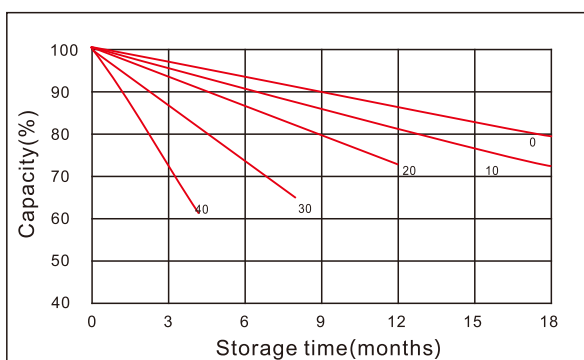
The effect of temperature on capacity



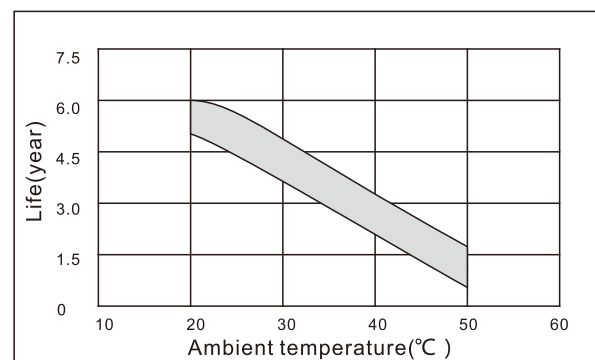
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



www.kijo.com.cn info@kijo.com.cn

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

+86-791-85982779 +86-791-85989842

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

