

## JS12-4.0

Executive standard GB/T 19639.1-2014

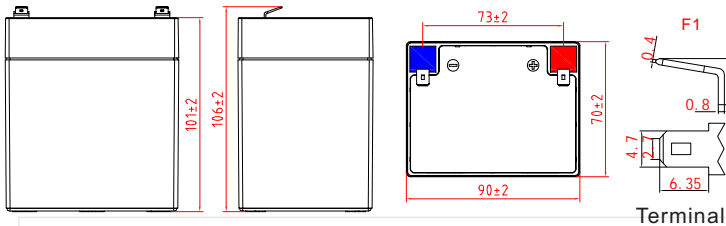


### General Features

- > 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: 90(L)×70(W)×101(H)×106(TH) Unit: mm



### 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	4.0Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx 1.33kg (2.93lbs)
Container Material	ABS
Rated Capacity	4.00Ah → 20Hour Rate (0.200A to 10.5V)
	3.03Ah → 3Hour Rate (1.01A to 10.2V)
	2.79Ah → 1Hour Rate (2.79A to 9.60V)
Internal resistance	Full charged at 25°C: 60.0 mΩ
Max. Discharge Current	48A(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.1.0A ; Recom.0.40A
Charge Method (25°C)	Float charge:13.5-13.8V,recom.13.8V(-18mV/°C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/°C)
	Cycle charge:14.4-15.0V,recom.14.7V(-30mV/°C)
Self discharge	3% of capacity declined per month at 25°C

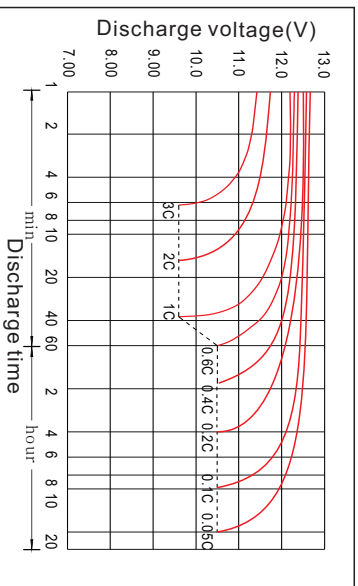
### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	16.8	12.8	10.0	4.67	3.87	2.79	2.23	1.51	1.06	0.883	0.752	0.572	0.497	0.409	0.212
1.65V	15.3	11.8	9.38	4.43	3.68	2.66	2.13	1.45	1.03	0.857	0.737	0.565	0.488	0.404	0.208
1.70V	14.6	11.4	9.10	4.32	3.60	2.60	2.10	1.42	1.01	0.812	0.728	0.553	0.480	0.395	0.203
1.75V	13.5	10.7	8.60	4.14	3.50	2.53	2.03	1.39	1.00	0.800	0.697	0.543	0.468	0.389	0.200
1.80V	12.4	9.93	8.17	3.96	3.35	2.42	1.97	1.35	0.945	0.783	0.668	0.532	0.457	0.380	0.192
1.85V	10.6	8.43	7.00	3.51	3.03	2.19	1.80	1.29	0.889	0.760	0.638	0.515	0.422	0.365	0.188

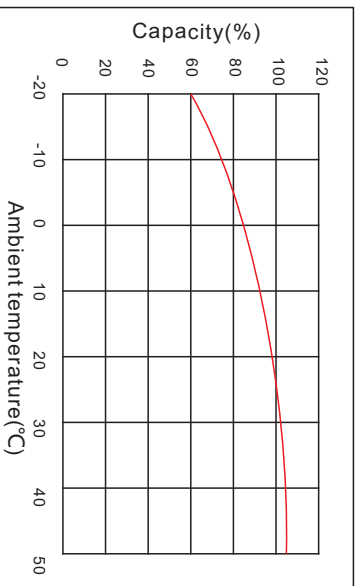
### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	30.3	23.2	18.3	8.65	7.27	5.24	4.23	2.83	2.01	1.67	1.42	1.09	0.937	0.791	0.420
1.65V	27.8	21.7	17.3	8.31	6.95	5.04	4.08	2.73	1.96	1.62	1.39	1.07	0.922	0.777	0.408
1.70V	26.8	21.0	17.0	8.12	6.82	4.96	4.02	2.67	1.93	1.54	1.35	1.05	0.908	0.770	0.405
1.75V	25.1	20.0	16.2	7.87	6.65	4.83	3.92	2.62	1.90	1.52	1.33	1.03	0.883	0.753	0.397
1.80V	23.4	19.0	15.6	7.58	6.38	4.68	3.82	2.60	1.85	1.51	1.29	1.01	0.863	0.738	0.393
1.85V	20.3	16.2	13.4	6.78	5.87	4.24	3.50	2.49	1.74	1.49	1.26	0.98	0.838	0.726	0.390

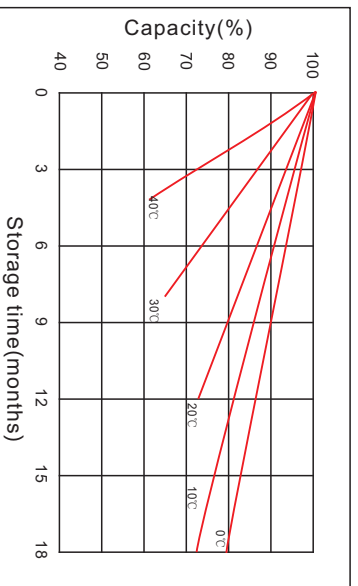
### Discharge characteristic



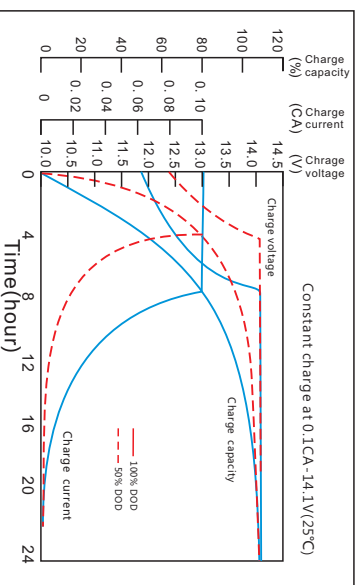
### The effect of temperature on capacity



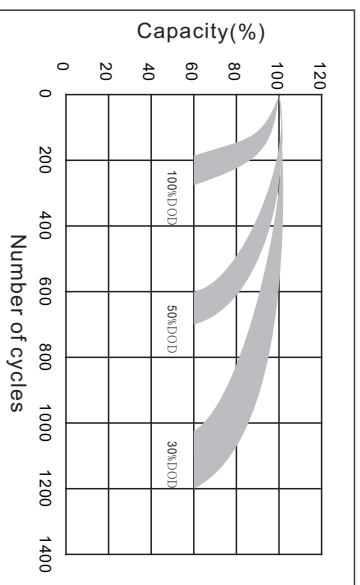
### Curves of self-discharge



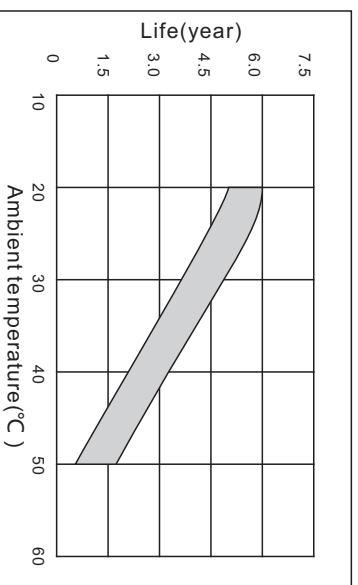
### Charging characteristic



### The effect of discharge depth on cycle life



### The effect of temperature on float life



 [www.kijo.com.cn](http://www.kijo.com.cn)  [info@kijo.com.cn](mailto: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.

 +86-791-855982779  +86-791-855989842

**Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.**

Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, Jiujiang City, Jiangxi Province, China.

