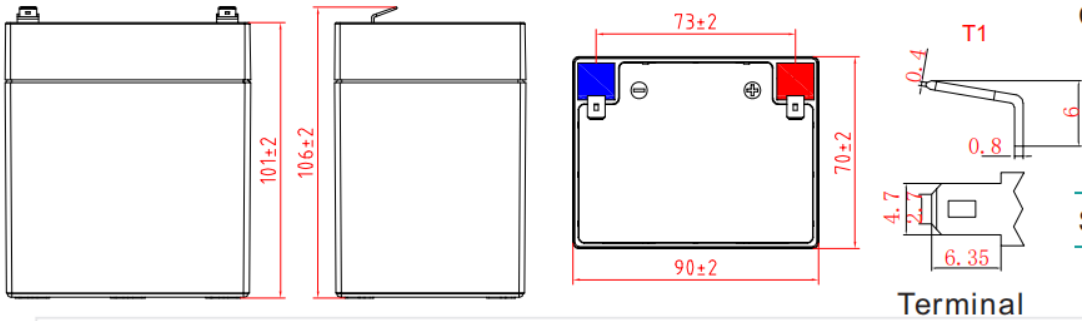
JS Series lead-acid battery JS12-5.0(B)

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)/(±2.0) **Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	5.0Ah@20hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx1.46kg±3% (3.21lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	250A
Internal resistance(Full charged at 25°C:)	48.0 mΩ
Self discharge	3% of capacity declined per month at 25°C
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. 1.25A;Recom.0.50A
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)

Standards

Executive standard: IEC 61056-2、
GB/T 19639.1-2014

Applications

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

Rated Capacity

20Hour Rate (0.250A to 10.5V)	5.00Ah
3Hour Rate (1.303A to 10.2V)	3.909Ah
1Hour Rate (3.090A to 9.6V)	3.090Ah

Attain Certificate

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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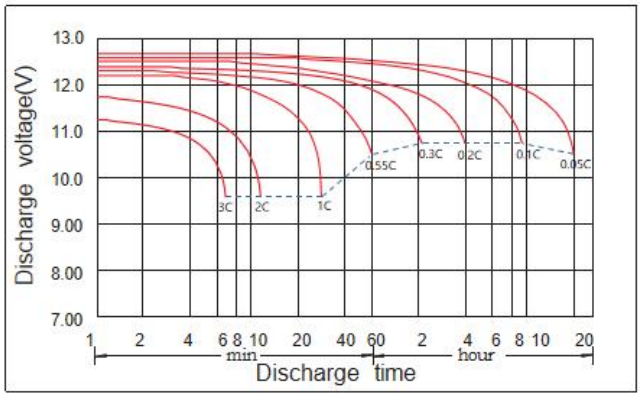
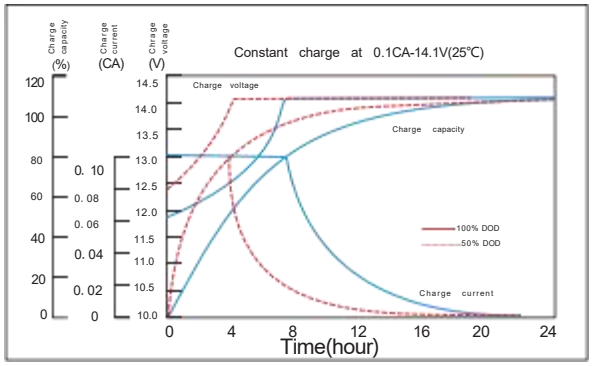
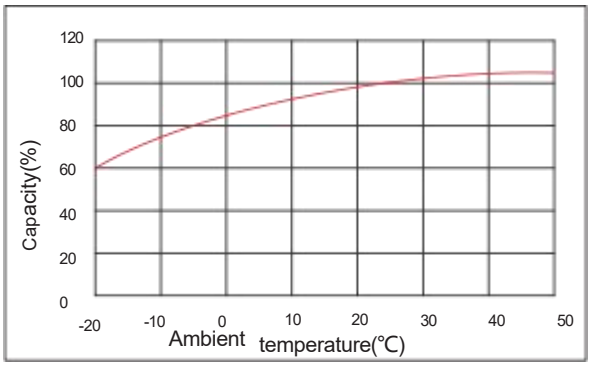
Discharge characteristic



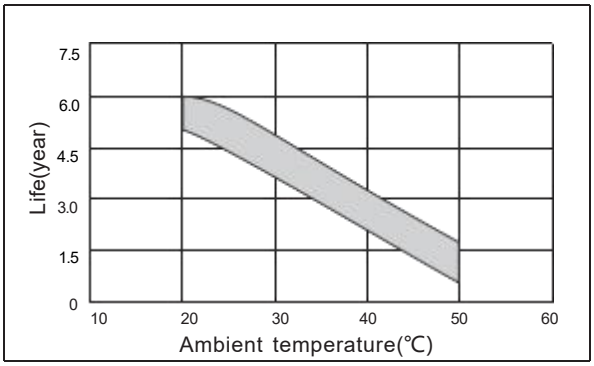
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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	18.54	12.89	9.404	5.553	3.937	3.090	2.212	1.852	1.396	1.102	0.926	0.793	0.599	0.491	0.259
1 65V	17.51	12.15	8.895	5.276	3.752	2.946	2.136	1.793	1.353	1.072	0.902	0.776	0.593	0.485	0.255
1.70V	15.96	11.28	8.331	5.096	3.625	2.841	2.067	1.734	1.303	1.043	0.878	0.750	0.584	0.478	0.252
1.75V	14.44	10.55	8.034	4.870	3.451	2.737	1.982	1.674	1.277	1.016	0.856	0.728	0.576	0.473	0.250
1 80V	12.68	9.560	7.418	4.655	3.322	2.632	1.925	1.627	1.237	0.987	0.834	0.702	0.566	0.467	0.246
1.85V	10.07	7.768	6.156	4.009	2.898	2.361	1.779	1.479	1.144	0.918	0.778	0.668	0.531	0.438	0.232

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	31.03	21.28	16.27	10.09	7.447	5.813	4.227	3.511	2.641	2.116	1.785	1.535	1.171	0.966	0.510
1 65V	29.36	20.62	15.78	9.785	7.076	5.660	4.162	3.415	2.579	2.066	1.745	1.483	1.160	0.955	0.503
1.70V	27.37	19.63	15.00	9.446	6.776	5.402	4.025	3.321	2.510	2.018	1.706	1.446	1.145	0.942	0.498
1.75V	25.32	18.86	14.68	9.122	6.647	5.286	3.875	3.220	2.470	1.973	1.668	1.414	1.131	0.931	0.494
1 80V	22.70	17.37	13.74	8.807	6.418	5.065	3.779	3.146	2.403	1.924	1.631	1.384	1.114	0.917	0.488
1.85V	18.40	14.45	11.57	7.660	5.699	4.606	3.478	2.874	2.231	1.795	1.526	1.319	1.049	0.868	0.460

Jiangxi JingJiu Power Science & Technology Co., LTD.

Add: 1388 Fushan No.1 Street, Xiaolan Economic Development Zone, Nanchang, Jiangxi, China.