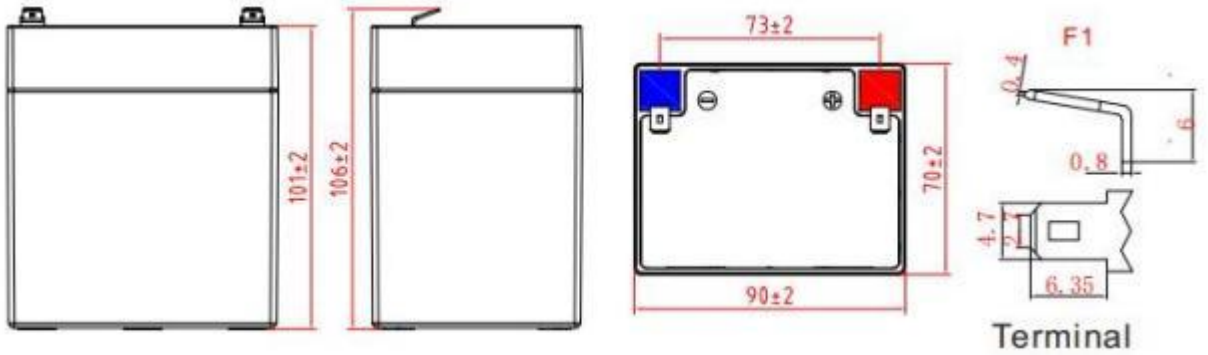
JS Series lead-acid battery JS12-5.0

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	Approx1.55kg±3% (3.41lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	333A
Internal resistance(Full charged at 25°C:)	36.0 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. 1.38A;Recom.0.55A
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 (0.25A to 10.5V)	5.0Ah
3Hour Rate (1.433A to 10.2V)	4.299Ah
1Hour Rate (3.399A to 9.6V)	3.399Ah

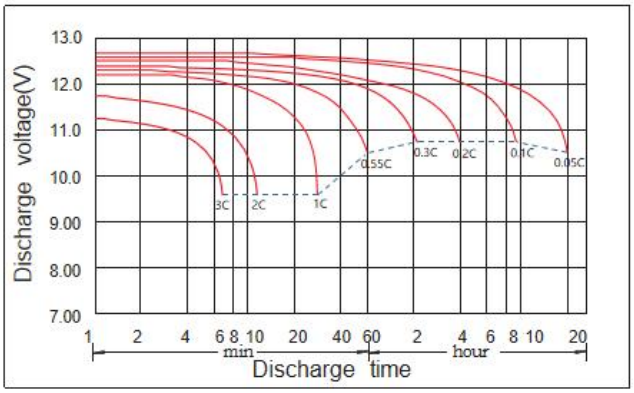
Attain Certificate

ISO 9001 COM | ISO 14001 COM | OHSAS 18001 COM | RoHS
UL CE FC PS E

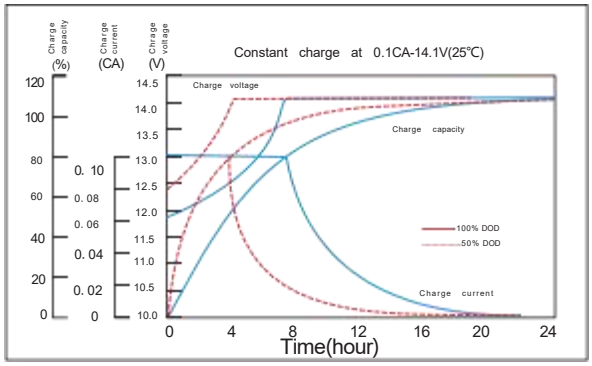
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

JS Series lead-acid battery JS12-5

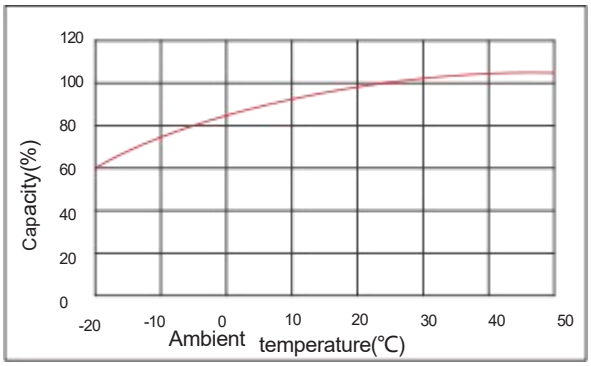
Discharge characteristic



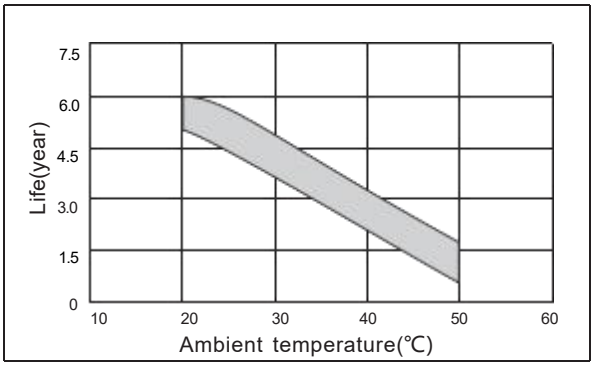
Charging characteristic



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	20.39	14.18	10.34	6.109	4.331	3.399	2.434	2.038	1.535	1.212	1.019	0.872	0.659	0.540	0.285
1 65V	19.26	13.37	9.785	5.804	4.128	3.241	2.350	1.973	1.488	1.179	0.992	0.853	0.652	0.534	0.281
1.70V	17.55	12.40	9.164	5.605	3.987	3.125	2.274	1.908	1.433	1.147	0.966	0.825	0.642	0.526	0.277
1.75V	15.89	11.60	8.837	5.357	3.796	3.010	2.180	1.841	1.404	1.118	0.942	0.801	0.633	0.520	0.275
1 80V	13.95	10.52	8.160	5.121	3.654	2.895	2.118	1.790	1.361	1.086	0.918	0.772	0.622	0.514	0.271
1.85V	11.07	8.544	6.772	4.410	3.188	2.597	1.957	1.626	1.258	1.009	0.856	0.735	0.584	0.482	0.245

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	34.14	23.40	17.89	11.09	8.191	6.395	4.649	3.862	2.905	2.327	1.963	1.688	1.288	1.062	0.561
1 65V	32.30	22.68	17.36	10.76	7.783	6.226	4.578	3.757	2.837	2.273	1.920	1.632	1.276	1.051	0.553
1.70V	30.10	21.59	16.50	10.39	7.453	5.943	4.427	3.653	2.761	2.219	1.876	1.591	1.259	1.036	0.548
1.75V	27.85	20.74	16.14	10.03	7.311	5.815	4.263	3.542	2.717	2.171	1.835	1.555	1.244	1.024	0.544
1 80V	24.97	19.11	15.12	9.687	7.060	5.572	4.157	3.461	2.643	2.116	1.794	1.522	1.226	1.009	0.537
1.85V	20.24	15.89	12.72	8.426	6.269	5.066	3.826	3.162	2.454	1.974	1.679	1.451	1.153	0.954	0.506

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