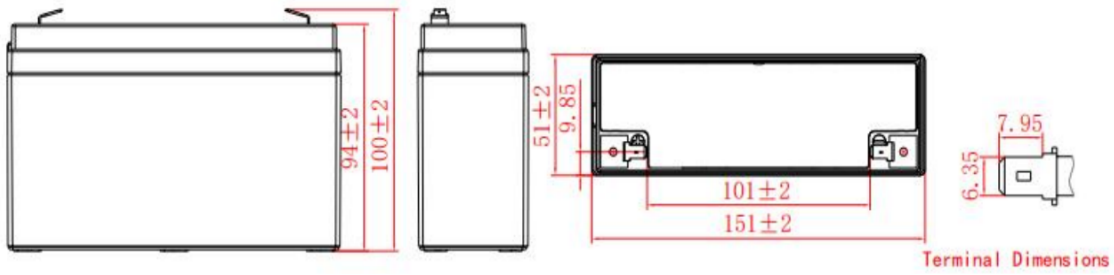
JS Series lead-acid battery JS6-10.0

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:151(L)×51(W)×94(H)×100(TH)/(±2.0) **Unit: mm**



Specification	
Nominal Voltage	6V
Nominal Capacity	10.0Ah@20hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx1.49kg±3% (3.28lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	400A
Internal resistance(Full charged at 25°C:)	15.0 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. 2.5A;Recom.1.0A
Float charge:6.75-6.90V	recom.6.75V(-9mV/ °C)
Equalize charge:6.90-7.05V	recom.7.05V(-12mV/ °C)
Cycle charge:7.20-7.50V	recom.7.35V(-15mV/ °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 (0.500A to 5.25V)	10.0Ah
3Hour Rate (2.605A to 5.10V)	7.815Ah
1Hour Rate (6.181A to 4.80V)	6.181Ah

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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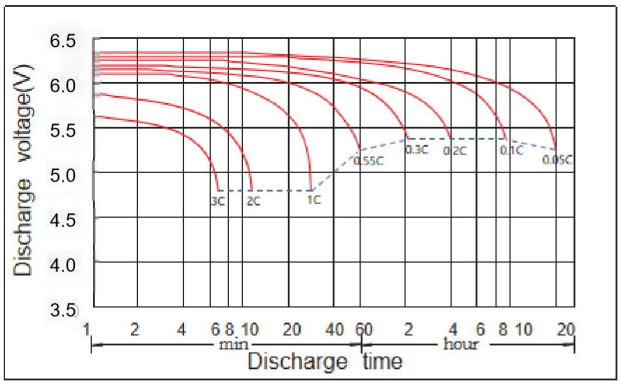
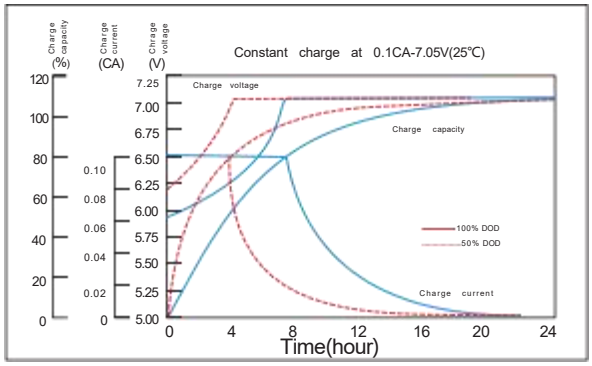
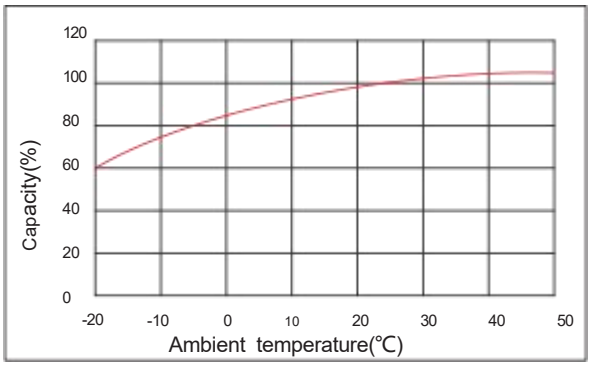
Discharge characteristic



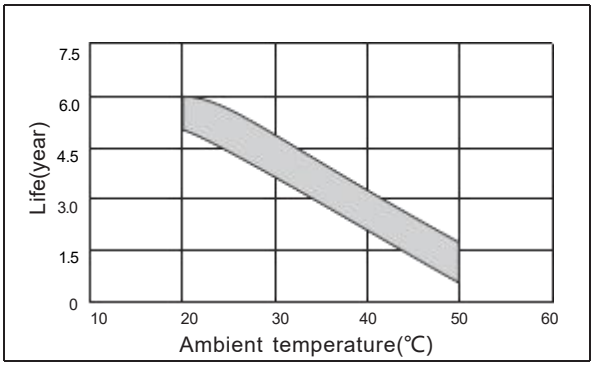
Charging characteristic



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	37.08	25.79	18.81	11.11	7.875	6.181	4.425	3.705	2.791	2.204	1.852	1.585	1.199	0.983	0.518
1 65V	35.02	24.31	17.79	10.55	7.505	5.892	4.273	3.587	2.705	2.144	1.804	1.552	1.186	0.971	0.510
1.70V	31.92	22.55	16.66	10.19	7.249	5.681	4.134	3.468	2.605	2.086	1.757	1.501	1.167	0.956	0.504
1.75V	28.88	21.10	16.07	9.741	6.902	5.474	3.963	3.347	2.553	2.033	1.713	1.456	1.151	0.945	0.500
1 80V	25.36	19.12	14.84	9.310	6.644	5.264	3.850	3.254	2.474	1.974	1.669	1.404	1.131	0.934	0.493
1.85V	20.13	15.54	12.31	8.019	5.797	4.722	3.558	2.957	2.287	1.835	1.556	1.336	1.062	0.877	0.464

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	62.07	42.55	32.53	20.17	14.89	11.63	8.454	7.022	5.282	4.231	3.570	3.070	2.342	1.932	1.021
1 65V	58.72	41.23	31.56	19.57	14.15	11.32	8.324	6.831	5.159	4.132	3.490	2.967	2.320	1.911	1.006
1.70V	54.74	39.26	30.00	18.89	13.55	10.80	8.049	6.642	5.019	4.035	3.411	2.892	2.290	1.884	0.996
1.75V	50.64	37.72	29.35	18.24	13.29	10.57	7.750	6.440	4.940	3.947	3.337	2.828	2.262	1.862	0.988
1 80V	45.41	34.74	27.49	17.61	12.84	10.13	7.557	6.292	4.806	3.847	3.262	2.767	2.229	1.835	0.975
1.85V	36.80	28.90	23.13	15.32	11.40	9.212	6.956	5.749	4.463	3.589	3.052	2.638	2.097	1.735	0.919

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