

JS12-9.0



JS Series lead-acid battery

Executive standard GB/T 19639.1-2014

Applications

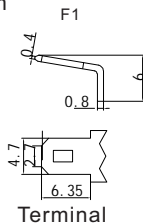
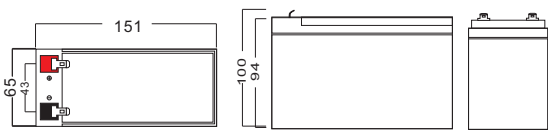
- > UPS/EPS
- > Power systems
- > Telecommunications system
- > Emergency lighting, Auto control system
- > Solar/wind generating storage cyclic
- > Other general purpose

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)×65(W)×94(H)×100(TH) Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	9.0Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx 2.51kg (5.53lbs)
Container Material	ABS
Rated Capacity	9.00Ah 20Hour Rate (0.45A to 10.5V)
	7.11Ah 3Hour Rate (2.37A to 10.2V)
	6.55Ah 1Hour Rate (6.55A to 9.60V)
Internal resistance	Full charged at 25°C: 18.0 mΩ
Max. Discharge Current	135A(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. 2.25A ; Recom.0.90A
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)

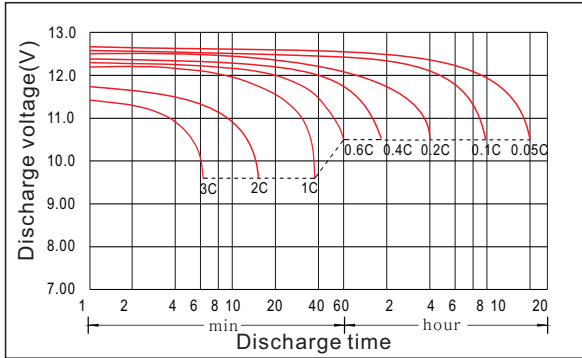
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	47.4	28.3	22.1	11.7	8.03	6.55	4.64	3.40	2.48	1.99	1.69	1.31	1.12	0.891	0.477
1.67V	42.9	26.1	20.6	11.1	7.65	6.24	4.44	3.27	2.41	1.93	1.66	1.29	1.10	0.882	0.468
1.70V	41.1	25.1	20.0	10.8	7.49	6.11	4.36	3.20	2.37	1.83	1.64	1.27	1.08	0.864	0.459
1.75V	38.1	23.5	18.9	10.3	7.24	5.90	4.23	3.12	2.33	1.80	1.57	1.24	1.05	0.846	0.450
1.80V	34.9	22.0	17.9	9.30	6.97	5.68	4.08	3.04	2.21	1.76	1.50	1.21	1.03	0.828	0.432
1.85V	29.8	18.6	15.3	8.75	6.29	5.13	3.73	2.60	1.89	1.51	1.28	1.04	0.88	0.708	0.369

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	85.2	51.2	40.2	21.6	14.8	12.3	8.79	6.38	4.70	3.77	3.20	2.54	2.11	1.73	0.945
1.67V	78.2	47.8	38.0	20.8	14.2	11.8	8.49	6.14	4.56	3.65	3.14	2.48	2.07	1.69	0.920
1.70V	75.5	46.4	37.3	20.3	13.9	11.6	8.36	6.02	4.49	3.47	3.05	2.46	2.05	1.68	0.912
1.75V	70.6	44.1	35.5	19.7	13.6	11.3	8.14	5.88	4.43	3.42	2.99	2.41	1.97	1.64	0.893
1.80V	65.5	41.5	33.9	19.0	13.2	11.0	7.93	5.84	4.31	3.39	2.91	2.36	1.90	1.61	0.887
1.85V	56.9	35.7	29.5	16.9	12.0	10.0	7.28	4.99	3.69	2.90	2.49	2.02	1.63	1.38	0.759

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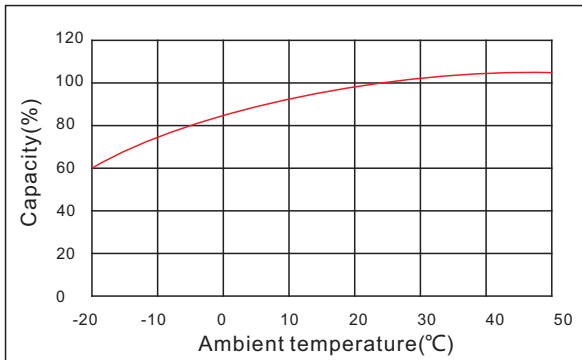
Discharge characteristic



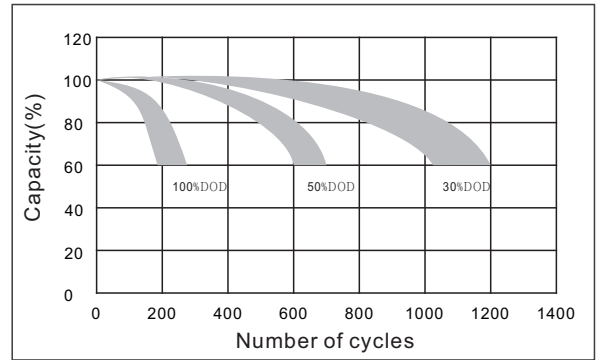
Charging characteristic



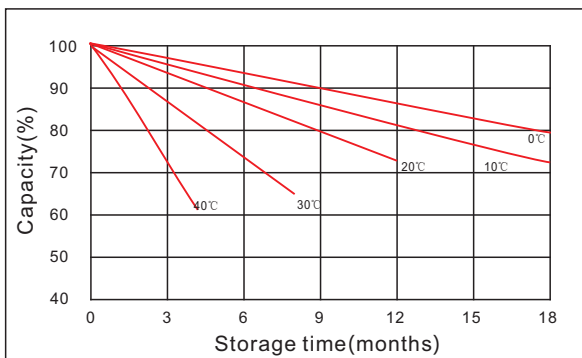
The effect of temperature on capacity



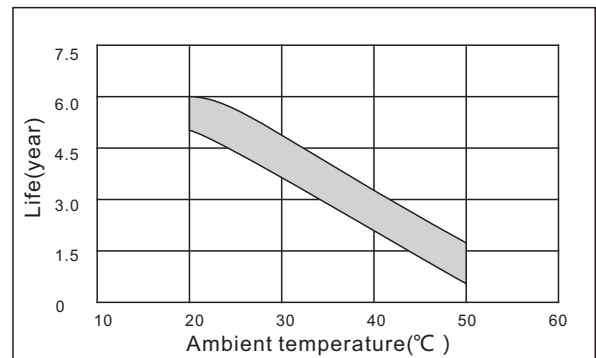
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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