

JS12-6.0



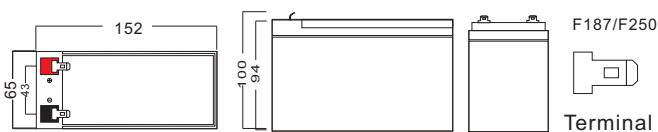
JS Series lead-acid battery

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: 152(L)×65(W)×94(H)×100(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	6.0Ah
Design life	5 years
Terminal	F187/F250
Approx. Weight	Approx1.86kg (4.10lbs)
Container Material	ABS
Rated Capacity	6.00Ah 20Hour Rate (0.30A to 10.5V)
	4.65Ah 3Hour Rate (1.55A to 10.5V)
	3.96Ah 1Hour Rate (3.96A to 9.60V)
Internal resistance	Full charged at 25°C: 30.0 mΩ
Max. Discharge Current	90A(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.1.50A ; Recom.0.60A
Charge Method (25°C)	Float Charge:13.5-13.8V,recom.13.5V(-18mV/°C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/°C)
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/°C)
Self discharge	3% of capacity declined per month at 25°C

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

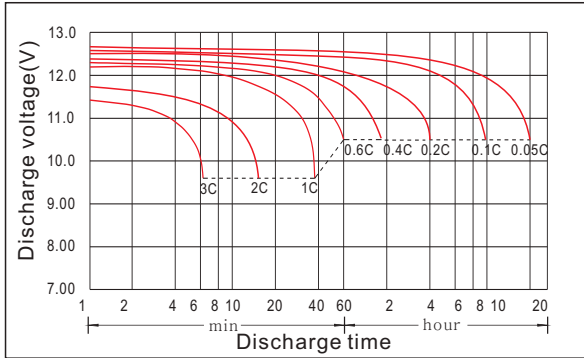
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	23.8	15.5	11.6	7.59	3.96	2.27	1.66	1.33	1.13	0.744	0.594	0.318
1.65V	23.6	14.9	10.6	7.21	3.72	2.18	1.61	1.28	1.10	0.732	0.588	0.312
1.70V	19.3	14.0	9.90	6.98	3.60	2.14	1.58	1.22	1.09	0.720	0.576	0.306
1.75V	17.9	13.3	9.24	6.82	3.47	2.08	1.55	1.20	1.04	0.702	0.564	0.300
1.80V	16.5	12.5	8.58	6.60	3.35	2.03	1.47	1.18	1.00	0.684	0.552	0.288

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

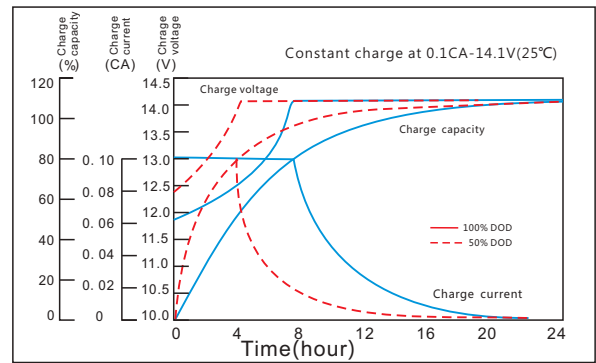
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	44.6	28.0	21.2	12.8	7.26	4.25	3.13	2.51	2.13	1.40	1.15	0.630
1.65V	41.1	26.5	19.9	12.7	6.83	4.09	3.04	2.43	2.09	1.38	1.13	0.613
1.70V	37.6	25.7	19.0	12.7	6.62	4.01	2.99	2.31	2.03	1.37	1.12	0.608
1.75V	34.1	24.9	18.3	12.6	6.43	3.92	2.95	2.28	1.99	1.31	1.09	0.595
1.80V	30.6	24.1	17.5	12.5	6.34	3.89	2.87	2.26	1.94	1.27	1.07	0.591

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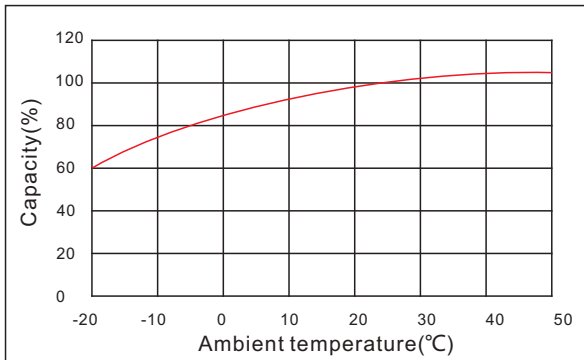
Discharge characteristic



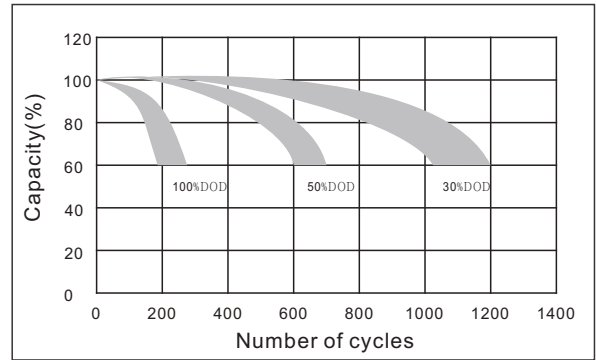
Charging characteristic



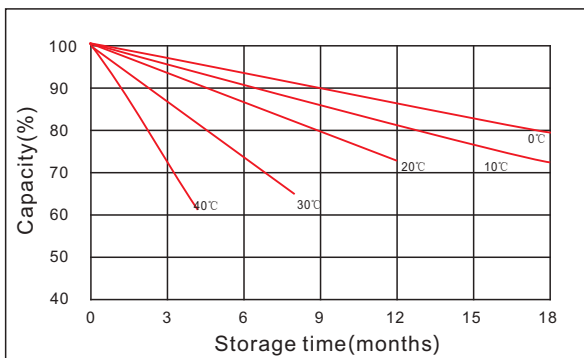
The effect of temperature on capacity



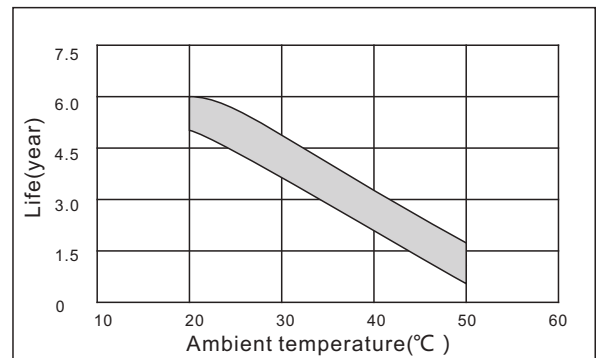
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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