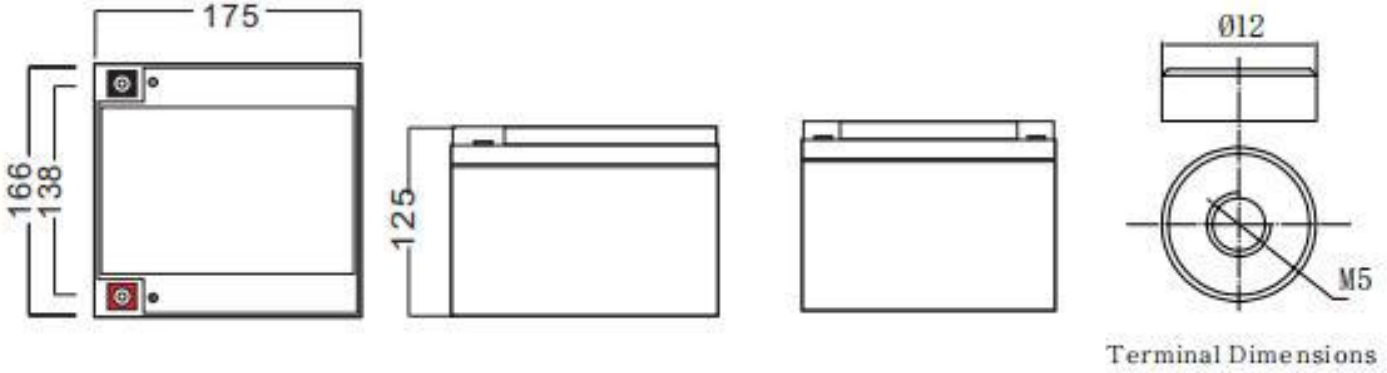
JS Series lead-acid battery JS12-24

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:175(L)×166(W) ×125(H)×125(TH) **Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	24.0Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx7.20kg (15.9lbs)
Container Material	ABS
short-circuit current	784A
Internal resistance(Full charged at 25°C:)	15.3 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 ℃)	
Charge current:	Max. 6.00A;Recom.2.40A
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 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 (1.20A to 10.5V)	24.0Ah
3Hour Rate (6.31A to 10.2V)	18.93Ah
1Hour Rate (15.8A to 9.6V)	15.8Ah

Attain Certificate

ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

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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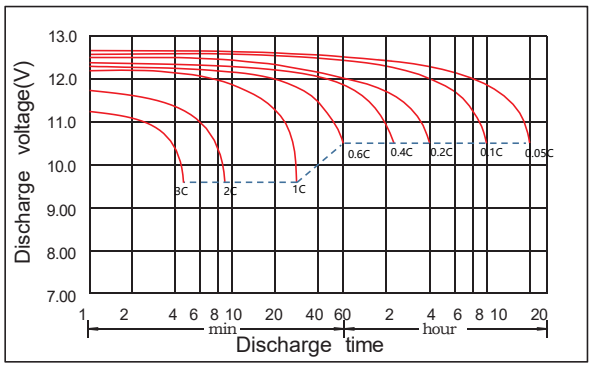
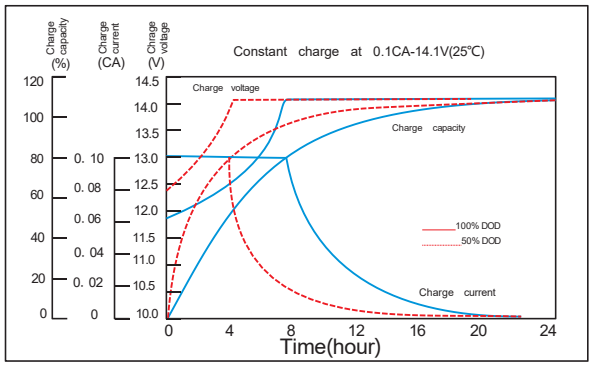
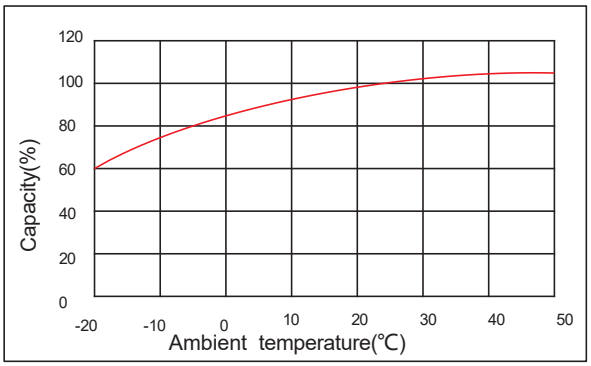
Discharge characteristic



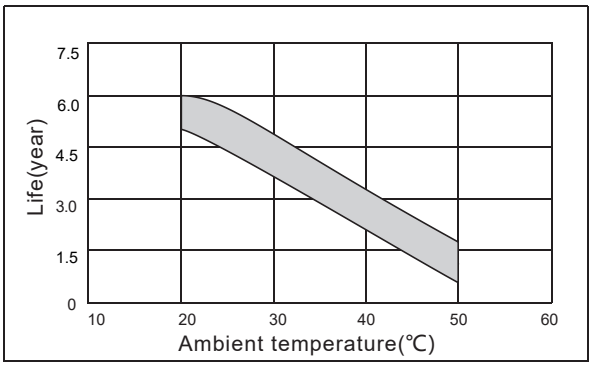
Charging characteristic



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	95.0	62.2	46.3	30.4	19.4	15.8	9.68	9.07	6.62	5.30	4.51	3.43	2.98	2.38	1.27
1.65V	94.3	59.5	42.5	28.8	18.3	14.9	9.56	8.71	6.43	5.14	4.42	3.39	2.93	2.35	1.25
1.70V	77.3	55.9	39.6	27.9	17.7	14.4	9.35	8.54	6.31	4.87	4.37	3.32	2.88	2.30	1.22
1.75V	71.8	53.3	37.0	27.3	17.1	13.9	9.19	8.33	6.22	4.80	4.18	3.26	2.81	2.26	1.20
1.80V	66.0	50.2	34.3	26.4	16.4	13.4	8.99	8.11	5.88	4.70	4.01	3.19	2.74	2.21	1.15
1.85V	58.9	46.5	30.5	24.2	15.2	12.4	8.72	7.71	5.53	4.56	3.83	3.09	2.63	2.14	1.13

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	178	112	84.8	51.3	34.8	29.0	19.4	17.0	12.5	10.0	8.52	6.75	5.62	4.60	2.52
1.65V	164	106	79.6	50.9	32.8	27.3	19.1	16.4	12.2	9.72	8.36	6.63	5.53	4.52	2.45
1.70V	150	103	76.0	50.8	31.8	26.5	18.9	16.0	12.0	9.24	8.12	6.57	5.48	4.48	2.43
1.75V	136	100	73.2	50.2	30.8	25.7	18.5	15.7	11.8	9.12	7.96	6.42	5.25	4.38	2.38
1.80V	122	96.4	70.0	49.9	30.5	25.4	18.1	15.6	11.5	9.04	7.76	6.29	5.08	4.29	2.36
1.85V	109	90.1	62.6	45.7	28.5	23.8	17.8	14.9	10.9	8.90	7.40	6.19	4.86	4.22	2.34

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