



JS Series lead-acid battery JS12-24(W)

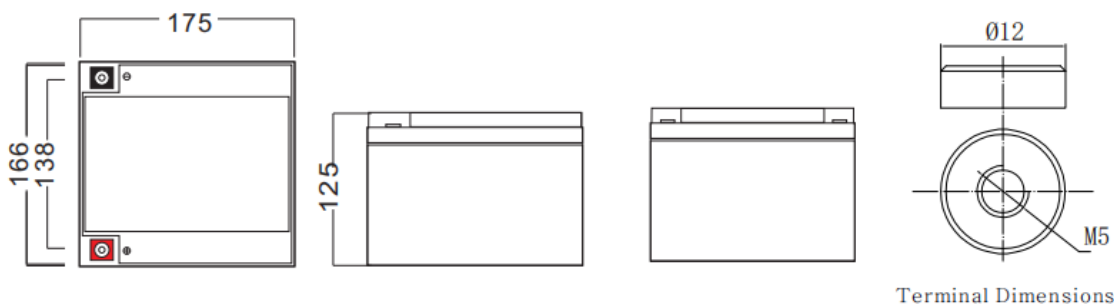
General Features

- 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)/(±2.0)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	24.0Ah@20hour-rate to 1.75V per cell @25°C
Design life	5 years
Terminal	M5
Approx. Weight	Approx7.20kg±3% (15.9lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
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°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method(25 °C)

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: 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 (1.20A to 10.5V)	24.0Ah
3Hour Rate (6.253A to 10.2V)	18.759Ah
1Hour Rate (14.69A to 9.6V)	14.69Ah

Attain Certificate

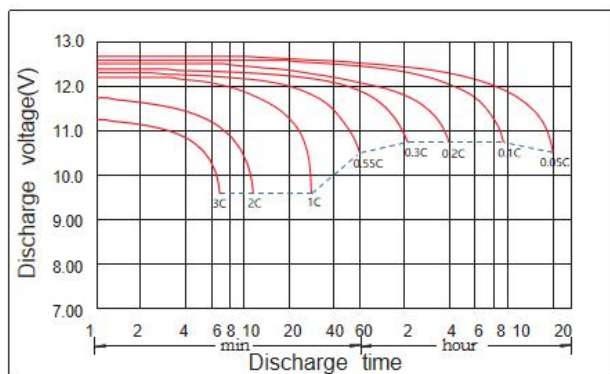


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

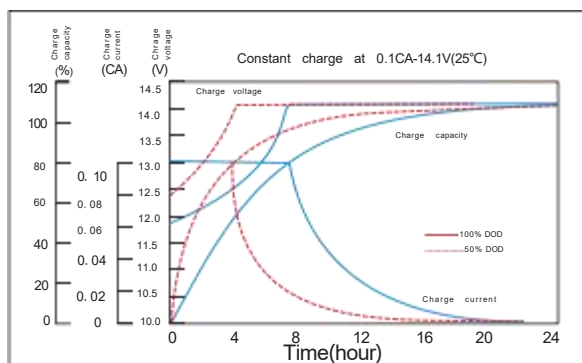


JS Series lead-acid battery JS12-24(W)

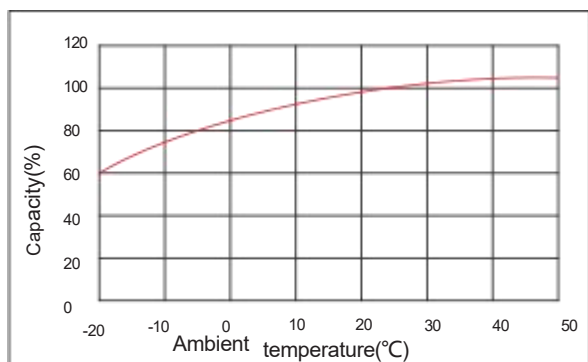
Discharge characteristic



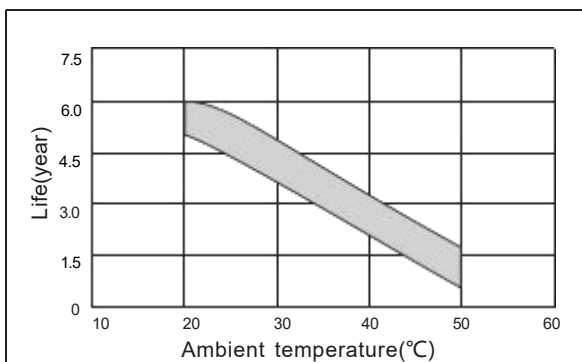
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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	86.32	60.04	44.24	26.12	18.71	14.69	10.62	8.892	6.699	5.290	4.445	3.804	2.877	2.358	1.244
1.65V	81.52	56.59	41.84	24.82	17.83	14.00	10.26	8.608	6.493	5.147	4.329	3.724	2.845	2.330	1.224
1.70V	74.30	52.50	39.19	23.97	17.22	13.50	9.922	8.324	6.253	5.006	4.217	3.602	2.801	2.294	1.210
1.75V	67.24	49.12	37.79	22.91	16.40	13.01	9.511	8.033	6.128	4.878	4.111	3.494	2.763	2.269	1.200
1.80V	59.04	44.51	34.90	21.90	15.79	12.51	9.240	7.810	5.938	4.738	4.005	3.370	2.715	2.242	1.183
1.85V	46.86	36.17	28.96	18.86	13.77	11.22	8.538	7.097	5.490	4.404	3.734	3.206	2.549	2.104	1.113

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	144.5	99.07	76.51	47.45	35.39	27.63	20.29	16.85	12.68	10.16	8.567	7.368	5.620	4.636	2.449
1.65V	136.7	95.99	74.23	46.03	33.62	26.90	19.98	16.39	12.38	9.917	8.376	7.120	5.568	4.586	2.414
1.70V	127.4	91.40	70.57	44.44	32.20	25.67	19.32	15.94	12.05	9.684	8.186	6.941	5.495	4.523	2.390
1.75V	117.9	87.81	69.04	42.91	31.58	25.12	18.60	15.46	11.86	9.472	8.008	6.787	5.429	4.468	2.372
1.80V	105.7	80.87	64.65	41.43	30.50	24.07	18.14	15.10	11.53	9.233	7.829	6.641	5.349	4.403	2.341
1.85V	85.67	67.27	54.41	36.03	27.08	21.89	16.70	13.80	10.71	8.614	7.325	6.332	5.033	4.164	2.207