



JS Series lead-acid battery JS12-1.3



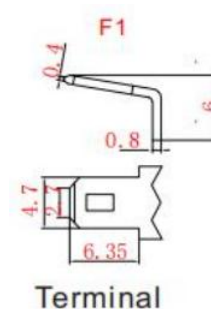
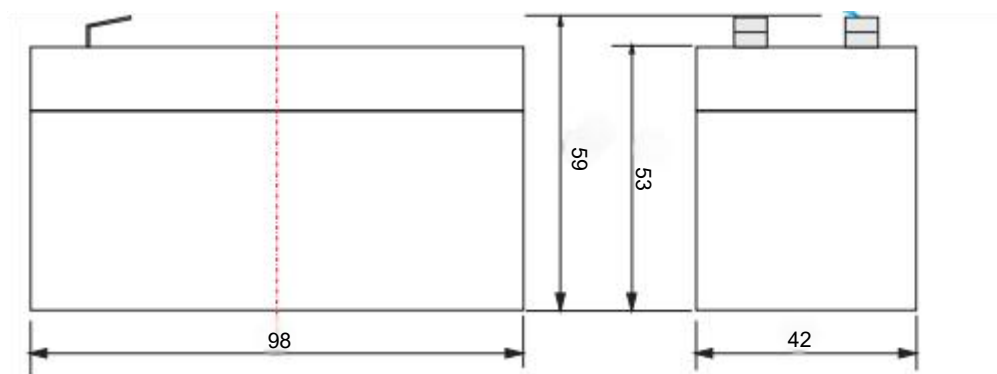
General Features

- ▶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:98(L)×42(W)×53(H)×59(TH)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	1.3Ah
Design life	1 ~ 2 years
Terminal	F1/F2
Approx. Weight	Approx0.56Kg±3% (1.23lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 optional)
short-circuit current	130A
Internal resistance(Full charged at 25°C:)	92.0 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. 0.3A;Recom.0.12A
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

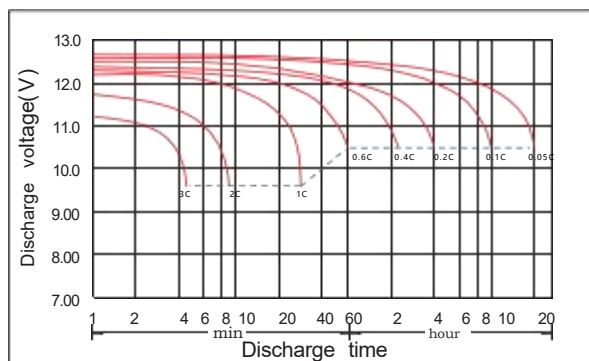
20Hour Rate (0.065A to 10.5V)	1.3Ah
3Hour Rate (0.342A to 10.2V)	1.026Ah
1Hour Rate (0.858A to 9.6V)	0.858Ah

Attain Certificate

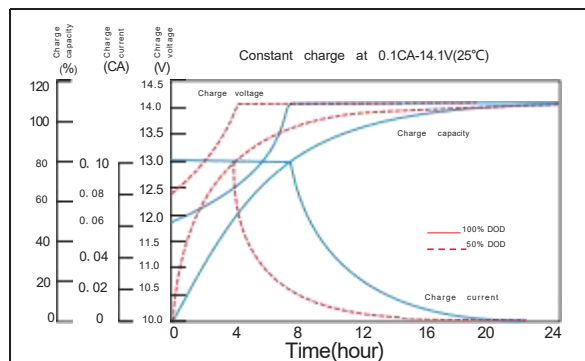
	RoHS
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Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

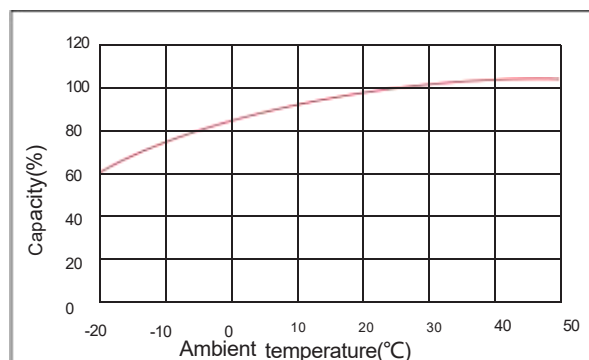
Discharge characteristic



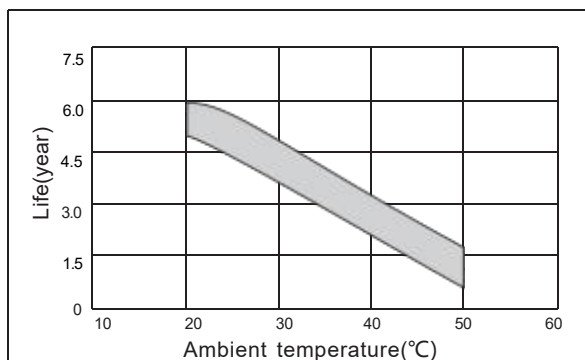
Charging characteristic



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	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	5.15	3.37	2.51	1.64	0.858	0.491	0.359	0.287	0.244	0.161	0.129	0.069
1.65V	5.11	3.22	2.3	1.56	0.806	0.472	0.348	0.278	0.239	0.159	0.127	0.068
1.70V	4.19	3.03	2.15	1.51	0.78	0.463	0.342	0.264	0.237	0.156	0.125	0.066
1.75V	3.89	2.89	2	1.48	0.753	0.451	0.337	0.26	0.226	0.152	0.122	0.065
1.80V	3.58	2.72	1.86	1.43	0.727	0.439	0.319	0.255	0.217	0.148	0.12	0.062

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	9.66	6.07	4.59	2.78	1.57	0.921	0.678	0.544	0.462	0.304	0.249	0.137
1.65V	8.91	5.74	4.31	2.76	1.48	0.886	0.659	0.527	0.453	0.3	0.245	0.133
1.70V	8.15	5.57	4.12	2.75	1.43	0.869	0.648	0.501	0.44	0.297	0.243	0.132
1.75V	7.39	5.4	3.97	2.72	1.39	0.849	0.639	0.494	0.431	0.284	0.237	0.129
1.80V	6.63	5.22	3.79	2.7	1.37	0.843	0.622	0.49	0.42	0.275	0.232	0.128