



JS Series lead-acid battery JS12-12



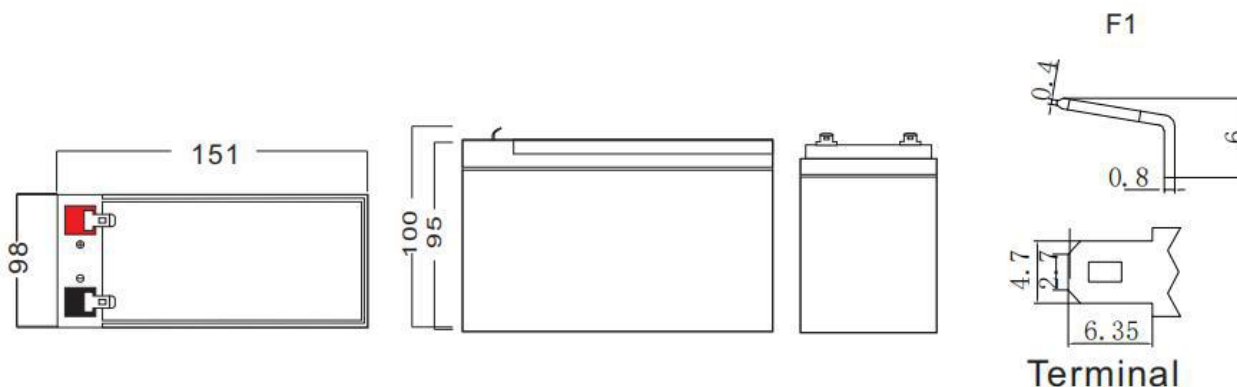
General Features

- 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)×98(W)×95(H)×100(TH)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	12.0Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx3.40kg (7.50lbs)
Container Material	ABS
short-circuit current	500A
Internal resistance(Full charged at 25°C:)	24.0 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. 3.00A;Recom.1.20A
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 (0.60A to 10.5V)	12.0Ah
3Hour Rate (3.16A to 10.2V)	9.48Ah
1Hour Rate (7.92A to 9.6V)	7.92Ah

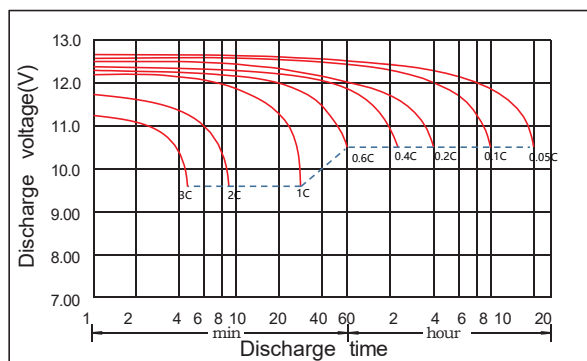
Attain Certificate

ISO 9001 CGM	ISO 14001 CGM	OHSAS 18001 CGM	RoHS
UL	CE	FC	PS E

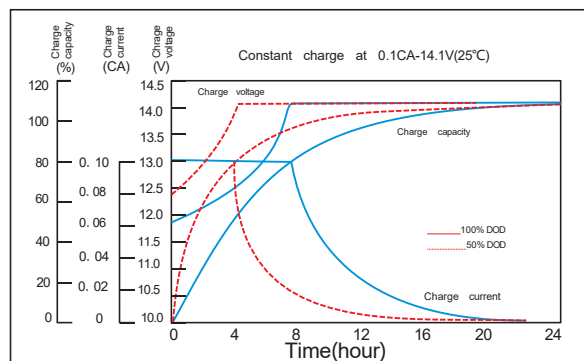
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



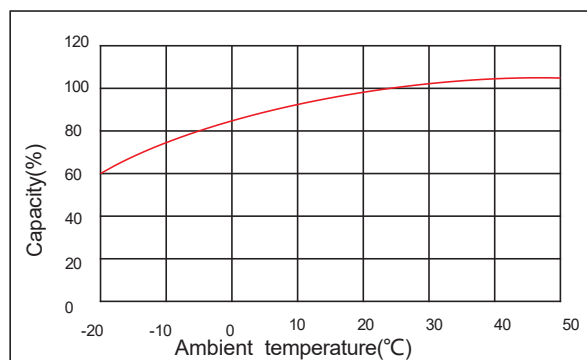
Discharge characteristic



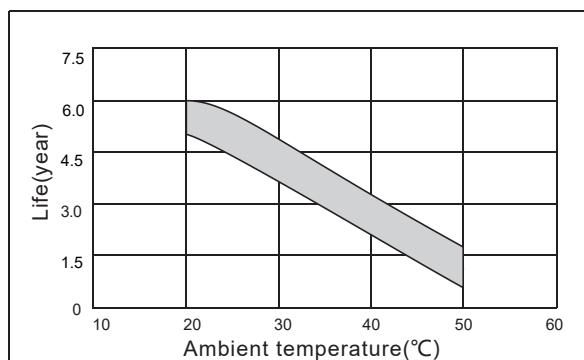
Charging characteristic



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	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	47.5	31.1	23.2	15.2	9.72	7.92	4.84	4.54	3.31	2.65	2.26	1.72	1.49	1.19	0.636
1.65V	47.2	29.8	21.2	14.4	9.13	7.44	4.80	4.36	3.22	2.57	2.21	1.70	1.46	1.18	0.624
1.70V	38.6	28.0	19.8	14.0	8.83	7.20	4.68	4.27	3.16	2.44	2.18	1.66	1.44	1.15	0.612
1.75V	35.9	26.6	18.5	13.6	8.53	6.95	4.60	4.16	3.11	2.40	2.09	1.63	1.40	1.13	0.600
1.80V	33.9	25.1	17.2	13.2	8.23	6.71	4.47	4.06	2.94	2.35	2.00	1.59	1.37	1.10	0.576
1.85V	29.5	23.3	15.3	12.1	7.62	6.22	4.34	3.86	2.77	2.28	1.91	1.54	1.31	1.07	0.566

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	89.2	56.0	42.4	25.6	17.4	14.5	9.71	8.50	6.26	5.02	4.26	3.37	2.81	2.30	1.26
1.65V	82.2	53.0	39.8	25.5	16.4	13.7	9.54	8.18	6.08	4.86	4.18	3.31	2.77	2.26	1.23
1.70V	75.2	51.4	38.0	25.4	15.8	13.2	9.45	8.02	5.98	4.62	4.06	3.29	2.74	2.24	1.22
1.75V	68.2	49.8	36.6	25.1	15.5	12.9	9.24	7.84	5.90	4.56	3.98	3.21	2.63	2.19	1.19
1.80V	61.2	48.2	35.0	24.9	15.2	12.7	9.03	7.78	5.74	4.52	3.88	3.14	2.54	2.14	1.18
1.85V	54.6	45.1	31.3	22.8	14.3	11.9	8.89	7.43	5.46	4.45	3.70	3.09	2.43	2.11	1.17