



JS Series lead-acid battery JS12-2.9



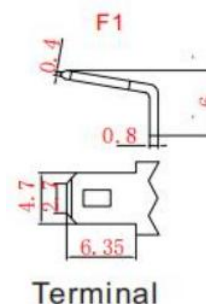
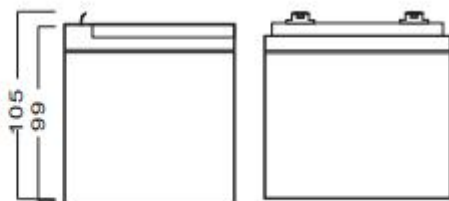
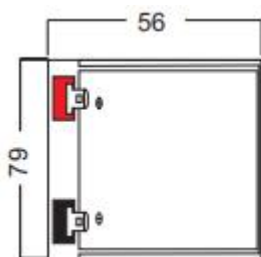
General Features

- ▶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:79(L)×56(W)×99(H)×105(TH)

Unit: mm



Terminal

Specification

Nominal Voltage	12V
Nominal Capacity	2.9Ah
Design life	3 years
Terminal	F1/F2
Approx. Weight	Approx. 1.0Kg±3% (2.2lbs±3%)
Container Material	ABS
short-circuit current	180A
Internal resistance(Full charged at 25°C:)	66.0 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. 0.7A;Recom.0.30A
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

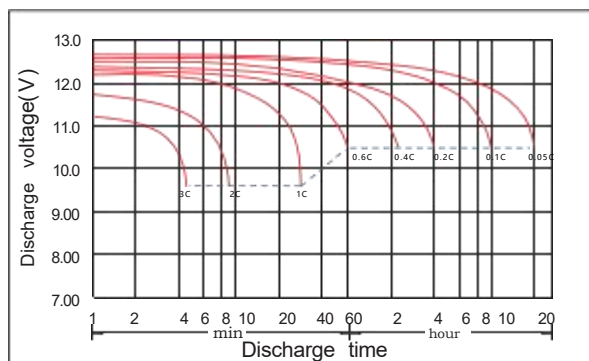
20Hour Rate (0.145A to 10.5V)	2.9Ah
3Hour Rate (0.763A to 10.2V)	2.29Ah
1Hour Rate (1.91A to 9.6V)	1.91Ah

Attain Certificate

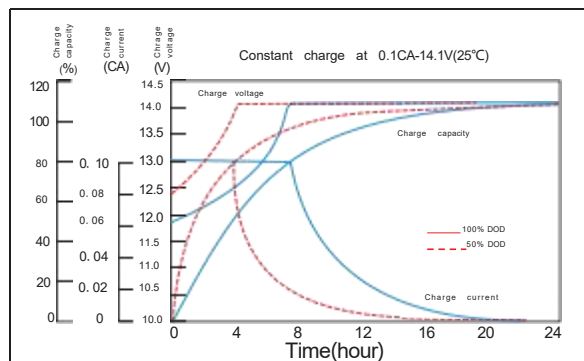
	RoHS

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.

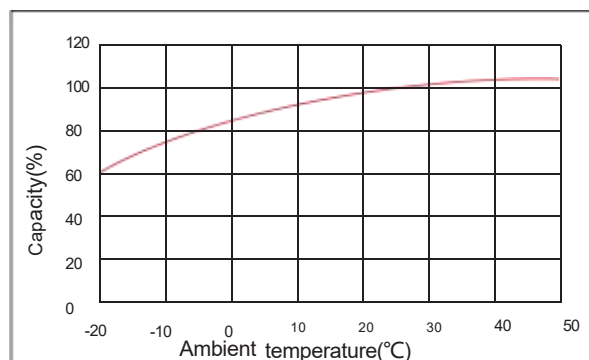
Discharge characteristic



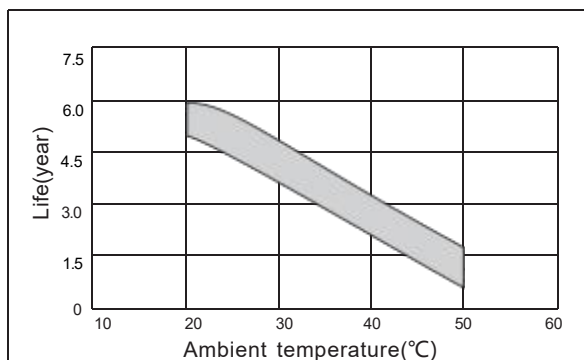
Charging characteristic



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	11.49	7.52	5.60	3.66	1.91	1.095	0.801	0.640	0.544	0.359	0.288	0.154
1.65V	11.40	7.18	5.13	3.48	1.80	1.053	0.776	0.620	0.533	0.355	0.283	0.152
1.70V	9.35	6.76	4.80	3.37	1.74	1.033	0.763	0.589	0.529	0.348	0.279	0.147
1.75V	8.68	6.45	4.46	3.30	1.68	1.006	0.752	0.580	0.504	0.339	0.272	0.145
1.80V	7.99	6.07	4.15	3.19	1.62	0.979	0.712	0.569	0.484	0.330	0.268	0.138

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	21.5	13.5	10.2	6.2	3.5	2.05	1.51	1.21	1.03	0.68	0.56	0.31
1.65V	19.9	12.8	9.6	6.2	3.3	1.98	1.47	1.18	1.01	0.67	0.55	0.30
1.70V	18.2	12.4	9.2	6.1	3.2	1.94	1.45	1.12	0.98	0.66	0.54	0.29
1.75V	16.5	12.0	8.9	6.1	3.1	1.89	1.43	1.10	0.96	0.63	0.53	0.29
1.80V	14.8	11.6	8.5	6.0	3.1	1.88	1.39	1.09	0.94	0.61	0.52	0.29