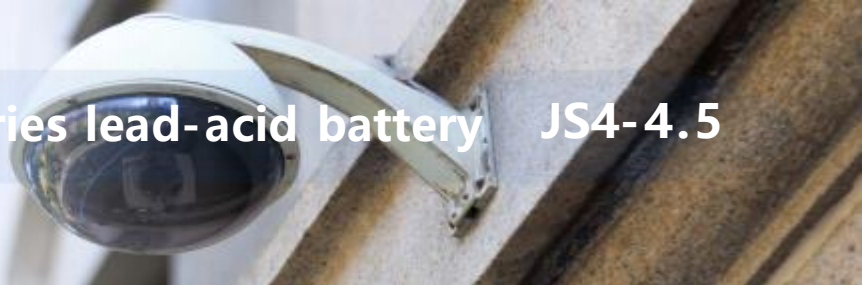




JS Series lead-acid battery JS4-4.5



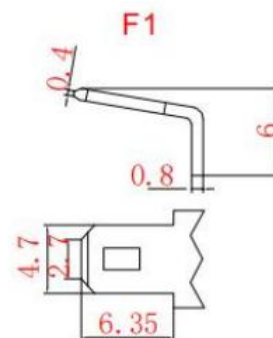
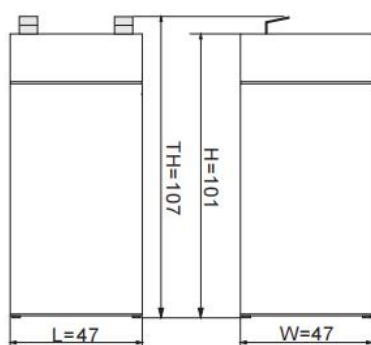
General Features

- 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: 47(L) × 47(W) × 101(H) × 107(TH)

Unit: mm



Specification

Nominal Voltage	4V
Nominal Capacity	4.5Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx. 0.50kg±3% (1.1lbs±3%)
Container Material	ABS
short-circuit current	240A
Internal resistance(Full charged at 25°C:)	25.0 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. 0.9A;Recom.0.675A
Float charge:6.75-6.90V	recom.6.75V(-9mV/ °C)
Equalize charge:6.90-7.05V	recom.7.05V(-12mV/ °C)
Cycle charge:7.20-7.50V	recom.7.35V(-15mV/ °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

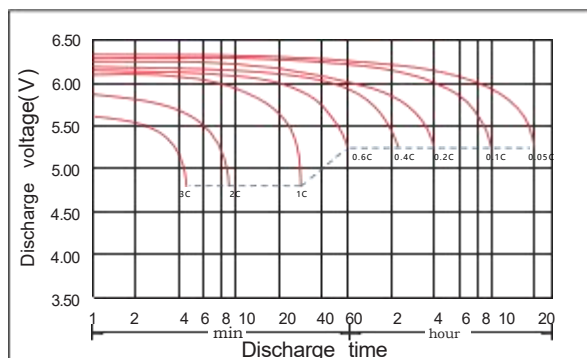
20Hour Rate (0.225A to 5.25V)	4.5Ah
3Hour Rate (1.18A to 5.10V)	3.54Ah
1Hour Rate (3.0A to 4.80V)	3.0Ah

Attain Certificate

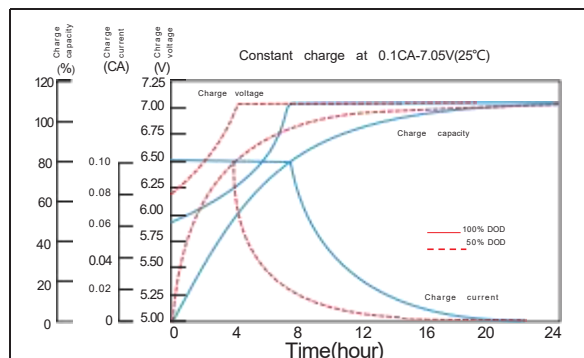
	RoHS
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Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

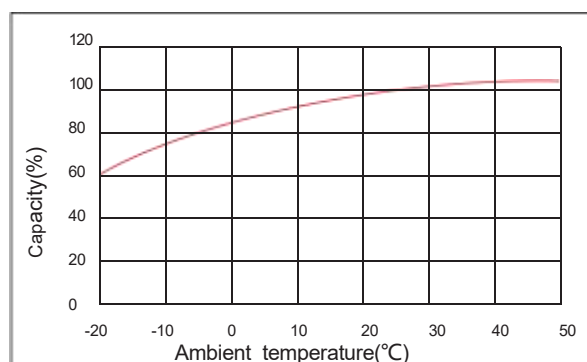
Discharge characteristic



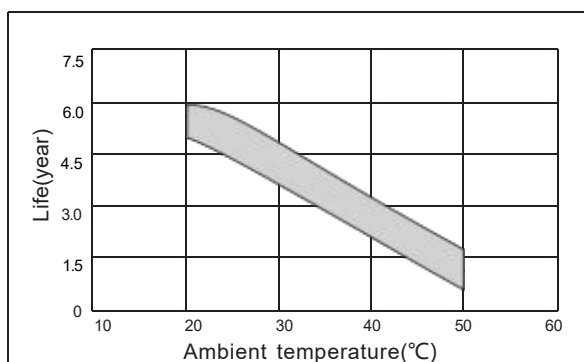
Charging characteristic



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	17.8	11.7	8.7	5.7	3.0	1.70	1.24	0.99	0.84	0.56	0.45	0.239
1.65V	17.7	11.1	8.0	5.4	2.8	1.63	1.20	0.96	0.83	0.55	0.44	0.235
1.70V	14.5	10.5	7.4	5.2	2.7	1.60	1.18	0.91	0.82	0.54	0.43	0.228
1.75V	13.5	10.0	6.9	5.1	2.6	1.56	1.17	0.90	0.78	0.53	0.42	0.225
1.80V	12.4	9.4	6.4	5.0	2.5	1.52	1.10	0.88	0.75	0.51	0.42	0.215

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	33.4	21.0	15.9	9.6	5.4	3.19	2.35	1.88	1.60	1.05	0.86	0.47
1.65V	30.8	19.9	14.9	9.6	5.1	3.07	2.28	1.82	1.57	1.04	0.85	0.46
1.70V	28.2	19.3	14.3	9.5	5.0	3.01	2.24	1.73	1.52	1.03	0.84	0.46
1.75V	25.6	18.7	13.7	9.4	4.8	2.94	2.21	1.71	1.49	0.98	0.82	0.45
1.80V	23.0	18.1	13.1	9.3	4.7	2.92	2.15	1.70	1.45	0.95	0.80	0.44