



Applications

- › UPS/EPS
- › Power systems
- › Telecommunications system
- › Emergency lighting、Auto control system
- › Solar/wind generating storage cyclic
- › Other general purpose

Specification

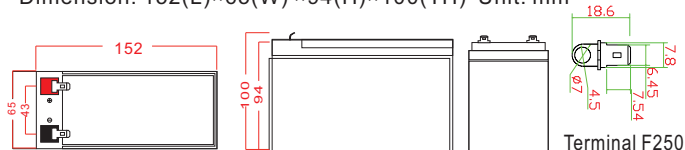
Nominal Voltage	12V
Nominal Capacity	9.0Ah
Design life	5 years
Terminal	F250
Approx. Weight	Approx 2.50kg (5.52lbs)
Container Material	ABS
Rated Capacity	9.00Ah 20Hour Rate (0.45A to 10.5V)
	6.99Ah 3Hour Rate (2.33A to 10.5V)
	5.94Ah 1Hour Rate (5.94A to 9.60V)
Internal resistance	Full charged at 25°C: 20.0 mΩ
Max. Discharge Current	135A(5S)
Operating Temperature	Discharge: -20 ~50°C(-4 ~ 122°F)
	Charge: -20 ~50°C(-4 ~ 122°F)
	Storage: -20 ~50°C(-4 ~ 122°F)
Charge current:	Max. 2.25A; Recom.0.90A
Charge Method (25 °C)	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)
Self discharge	3% of capacity declined per month at 25°C

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: 152(L)×65(W)×94(H)×100(TH) Unit: mm



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

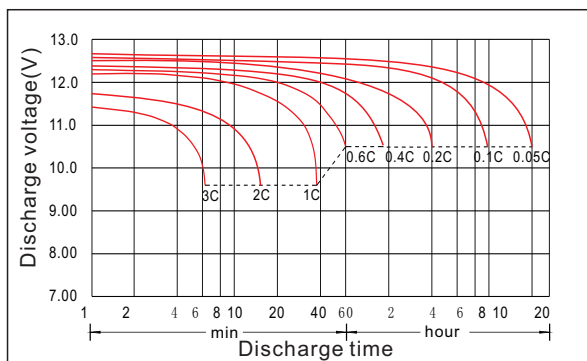
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
1.60V	34.7	22.0	17.2	9.69	5.96	3.25	2.25	1.87	1.59	1.12	0.859	0.465
1.65V	33.6	21.3	16.8	9.48	5.87	3.24	2.24	1.85	1.58	1.10	0.859	0.455
1.70V	32.3	20.5	16.2	9.20	5.72	3.21	2.22	1.84	1.57	1.08	0.848	0.455
1.75V	30.9	19.6	15.6	8.98	5.61	3.16	2.21	1.83	1.56	1.05	0.848	0.455
1.80V	29.2	18.5	14.7	8.65	5.43	3.08	2.14	1.77	1.50	1.03	0.828	0.444

Constant Power Discharge Characteristics Unit: W/cell(25°C, 77°F)

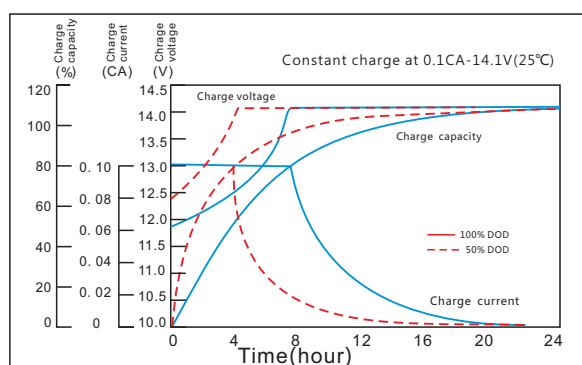
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
1.60V	64.0	41.0	32.3	18.3	11.4	6.28	4.42	3.67	3.12	2.11	1.70	0.913
1.65V	62.0	39.7	31.5	18.0	11.2	6.25	4.38	3.63	3.10	2.07	1.70	0.910
1.70V	59.5	38.0	30.3	17.3	10.9	6.20	4.37	3.62	3.08	2.05	1.68	0.905
1.75V	56.8	36.5	29.3	17.0	10.7	6.10	4.33	3.58	3.07	1.97	1.68	0.900
1.80V	53.7	34.3	27.8	16.4	10.4	5.95	4.20	3.48	2.97	1.90	1.65	0.882

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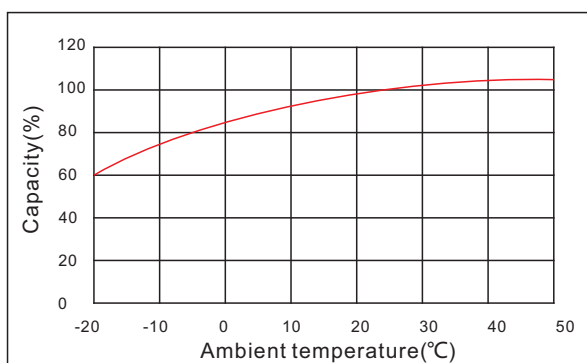
Discharge characteristic



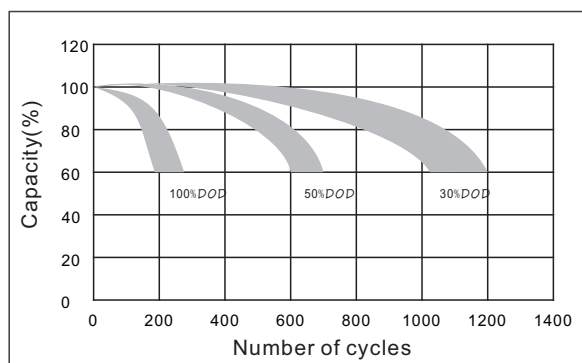
Charging characteristic



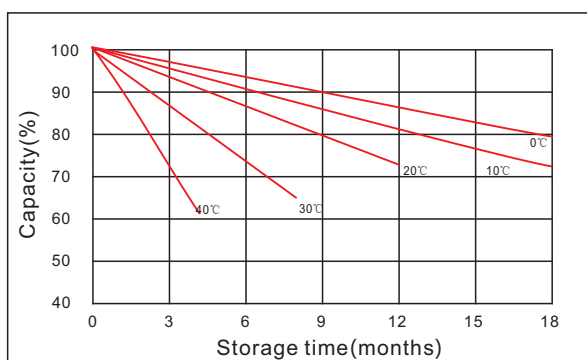
The effect of temperature on capacity



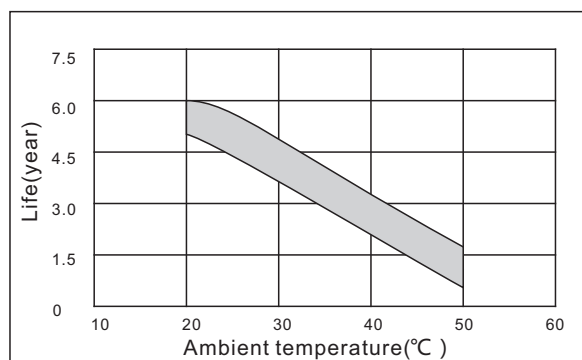
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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Jiangxi Jingjiu Power Science&Technology Co. Ltd.

Add: 1388 Fushan No.1 Street, Xiaolan Economic Development Zone, Nanchang City, Jiangxi Province, China.

☎ +86-791-85982779 ☎ +86-791-85989842

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.

Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, Jiujiang City, Jiangxi Province, China.

