



Applications

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

Specification

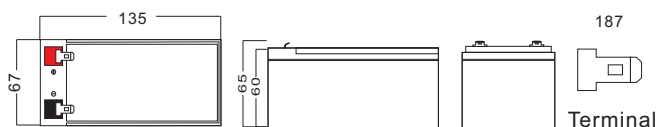
Nominal Voltage	12V
Nominal Capacity	3.2Ah
Design life	5 years
Terminal	187
Approx. Weight	Approx1.28kg
Container Material	ABS
Rated Capacity	3.20Ah 20Hour Rate(0.160A to 10.5V)
	2.49Ah 3Hour Rate (0.829A to 10.5V)
	2.11Ah 1Hour Rate (2.11A to 9.60V)
Internal resistance	Full charged at 25°C: 48.0 mΩ
Max. Discharge Current	48A(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.0.80A ; Recom.0.32A	
Float Charge voltage(-18mV/°C) :	
Charge Method (25 °C)	13.5-13.8V,recom.13.5V(Full floating system)
	13.5-13.8V,recom.13.62V(Cycle use system)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V,recom.14.4V(-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: 135(L)×67(W)×60(H)×65(TH) Unit: mm



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

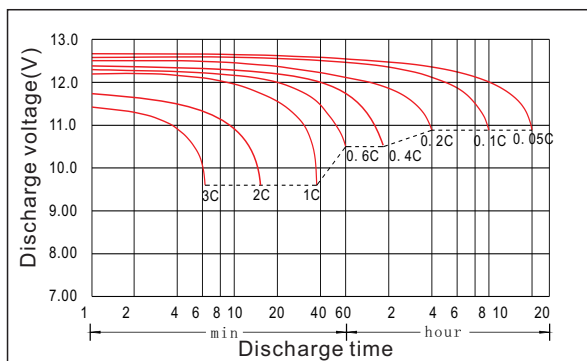
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	12.7	8.29	6.18	4.05	2.11	1.21	0.883	0.707	0.602	0.397	0.317	0.170
1.65V	12.6	7.94	5.66	3.84	1.98	1.16	0.858	0.685	0.589	0.390	0.314	0.166
1.70V	10.3	7.46	5.28	3.72	1.92	1.14	0.842	0.650	0.582	0.384	0.307	0.163
1.75V	9.57	7.10	4.93	3.64	1.85	1.11	0.829	0.640	0.557	0.374	0.301	0.160
1.80V	8.80	6.69	4.58	3.52	1.79	1.08	0.784	0.627	0.534	0.365	0.294	0.154

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

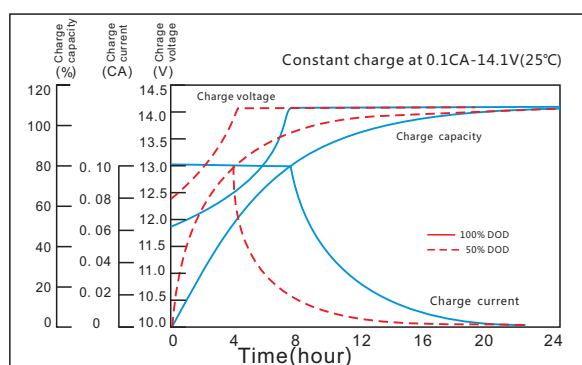
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	23.8	14.9	11.3	6.84	3.87	2.27	1.67	1.34	1.14	0.749	0.614	0.336
1.65V	21.9	14.1	10.6	6.79	3.64	2.18	1.62	1.30	1.11	0.738	0.602	0.327
1.70V	20.1	13.7	10.1	6.77	3.53	2.14	1.59	1.23	1.08	0.730	0.597	0.324
1.75V	18.2	13.3	9.76	6.70	3.43	2.09	1.57	1.22	1.06	0.700	0.583	0.317
1.80V	16.3	12.9	9.33	6.65	3.38	2.07	1.53	1.21	1.03	0.677	0.572	0.315

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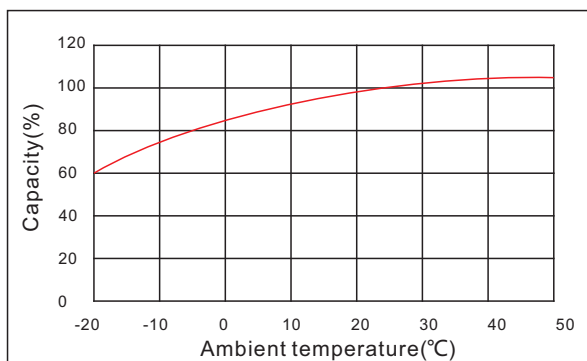
Discharge characteristic



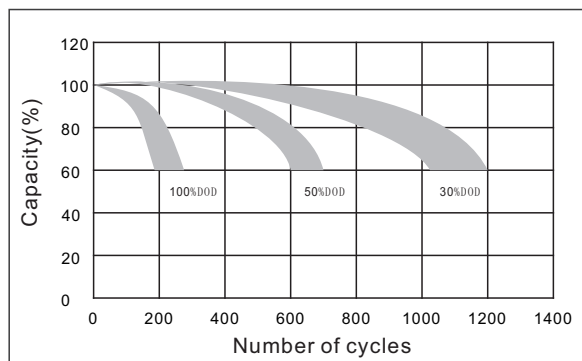
Charging characteristic



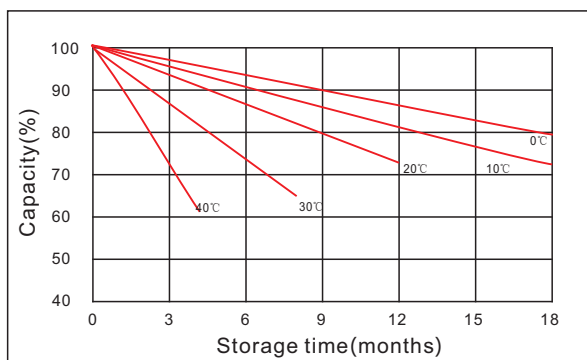
The effect of temperature on capacity



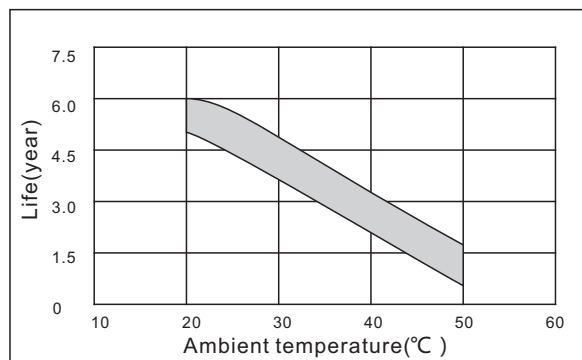
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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