



Applications

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

Specification

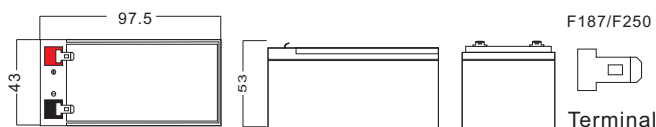
Nominal Voltage	12V
Nominal Capacity	1.2Ah
Design life	5 years
Terminal	F187/F250
Approx. Weight	Approx0.51kg (1.12lbs)
Container Material	ABS
Rated Capacity	1.200Ah 20Hour Rate(0.060A to 10.5V)
	0.933Ah 3Hour Rate (0.311A to 10.5V)
	0.792Ah 1Hour Rate (0.792A to 9.60V)
Internal resistance	Full charged at 25°C: 95.0 mΩ
Max. Discharge Current	18A(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.0.30A ; Recom.0.12A	
Charge Method (25 °C)	Float Charge:13.5-13.8V,recom.13.5V(-18mV/ °C)
	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: 97.5(L)×43(W) ×53(TH) Unit: mm



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

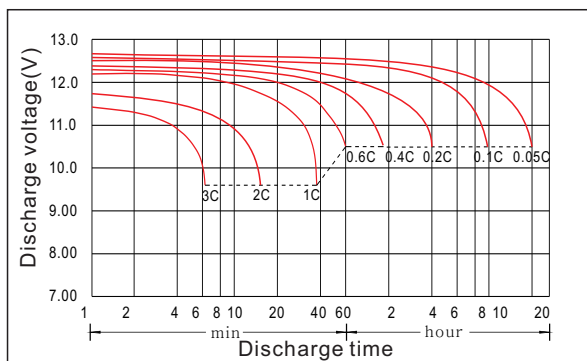
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	4.75	3.11	2.32	1.52	0.792	0.454	0.331	0.265	0.226	0.149	0.119	0.064
1.65V	4.72	2.98	2.12	1.44	0.744	0.436	0.322	0.257	0.221	0.146	0.118	0.062
1.70V	3.86	2.80	1.98	1.40	0.720	0.427	0.316	0.244	0.218	0.144	0.115	0.061
1.75V	3.59	2.66	1.85	1.36	0.695	0.416	0.311	0.240	0.209	0.140	0.113	0.060
1.80V	3.30	2.51	1.72	1.32	0.671	0.406	0.294	0.235	0.200	0.137	0.110	0.058

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

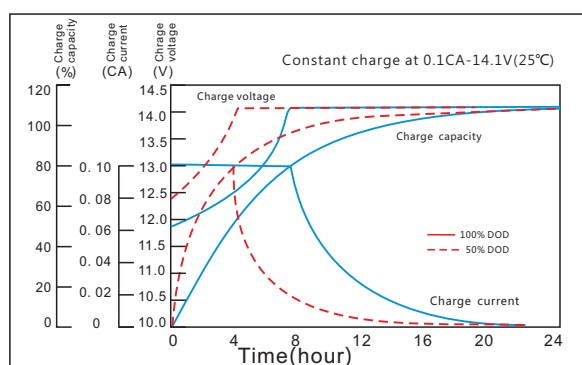
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	8.92	5.60	4.24	2.56	1.45	0.850	0.626	0.502	0.426	0.281	0.230	0.126
1.65V	8.22	5.30	3.98	2.55	1.37	0.818	0.608	0.486	0.418	0.277	0.226	0.123
1.70V	7.52	5.14	3.80	2.54	1.32	0.802	0.598	0.462	0.406	0.274	0.224	0.122
1.75V	6.82	4.98	3.66	2.51	1.29	0.784	0.590	0.456	0.398	0.263	0.219	0.119
1.80V	6.12	4.82	3.50	2.49	1.27	0.778	0.574	0.452	0.388	0.254	0.214	0.118

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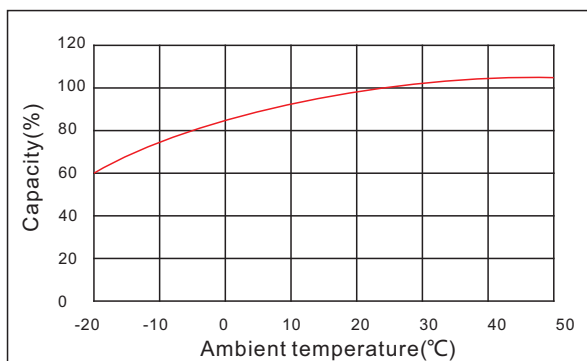
Discharge characteristic



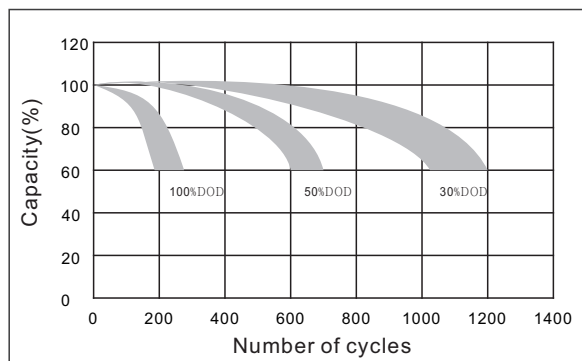
Charging characteristic



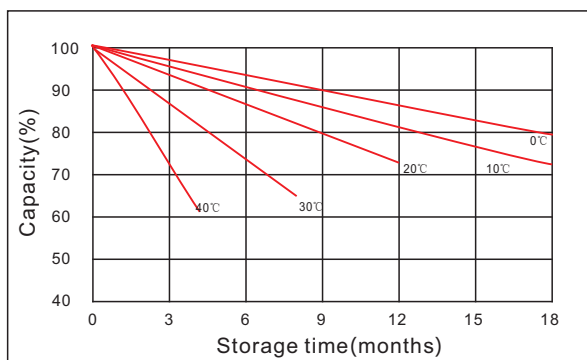
The effect of temperature on capacity



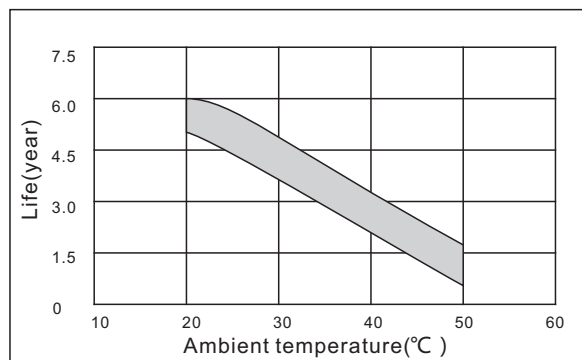
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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