12UB120 | 12 V 12 Ah

ULTRA BATTERY®
THIS IS YOUR ENERGY.



Applications

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

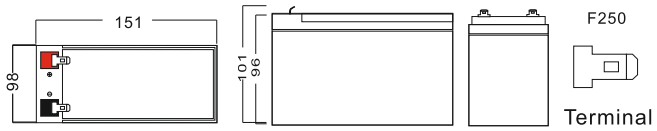
General Features

- 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

Specification

Nominal Voltage	12V	
Nominal Capacity	12.0Ah	
Design life	5 years	
Terminal	F250	
Approx. Weight	Approx3.15 kg	
Container Material	ABS	
Rated Capacity	12.0Ah	20Hour Rate (0.60A to 10.5V)
	9.33Ah	3Hour Rate (3.11A to 10.5V)
	7.92Ah	1Hour Rate (7.92A to 9.60V)
Internal resistance	Full charged at 25°C:	18.0 mΩ
Max. Discharge Current	180A(5S)	
Operating Temperature	Discharge:	-20 ~50℃(-4~ 122°F)
	Charge:	-20 ~50℃(-4~ 122°F)
	Storage:	-20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Charge current:	Max. 3.00A ; Recom.1.20A
	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.14.7 V(-30mV/ °C)	
Self discharge	3% capacity declined per month at 25°C	

Dimension: 151(L)×98(W)×96(H)×101(TH) Unit: mm



Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	47.5	31.1	23.2	15.2	7.92	4.54	3.31	2.65	2.26	1.49	1.19	0.636
1.65V	47.2	29.8	21.2	14.4	7.44	4.36	3.22	2.57	2.21	1.46	1.18	0.624
1.70V	38.6	28.0	19.8	14.0	7.20	4.27	3.16	2.44	2.18	1.44	1.15	0.612
1.75V	35.9	26.6	18.5	13.6	6.95	4.16	3.11	2.40	2.09	1.40	1.13	0.600
1.80V	33.0	25.1	17.2	13.2	6.71	4.06	2.94	2.35	2.00	1.37	1.10	0.576

Constant Power Discharge Characteristics Unit: W/cell(25 ℃, 77℉)

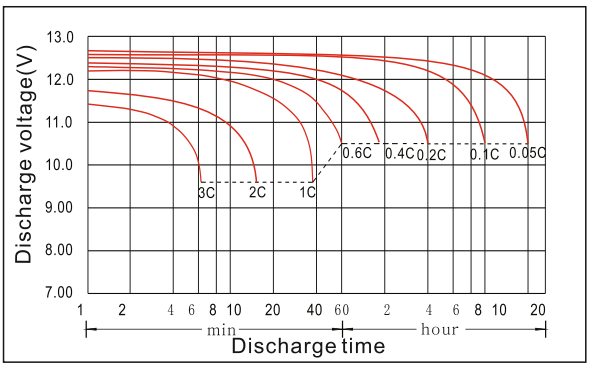
FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	89.2	56.0	42.4	25.6	14.5	8.50	6.26	5.02	4.26	2.81	2.30	1.26
1.65V	82.2	53.0	39.8	25.5	13.7	8.18	6.08	4.86	4.18	2.77	2.26	1.23
1.70V	75.2	51.4	38.0	25.4	13.2	8.02	5.98	4.62	4.06	2.74	2.24	1.22
1.75V	68.2	49.8	36.6	25.1	12.9	7.84	5.90	4.56	3.98	2.63	2.19	1.19
1.80V	61.2	48.2	35.0	24.9	12.7	7.78	5.74	4.52	3.88	2.54	2.14	1.18

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.

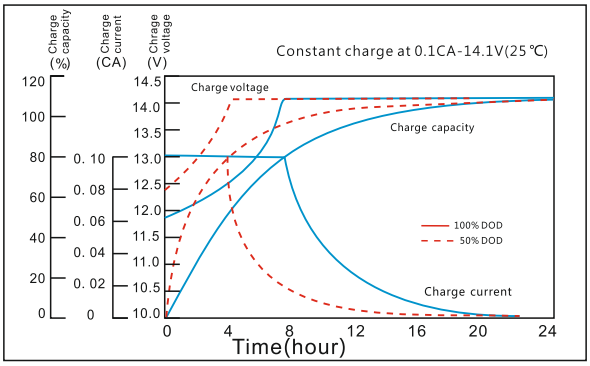
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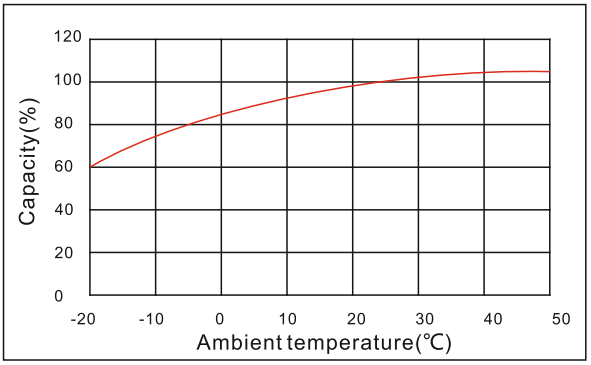
Discharge characteristic



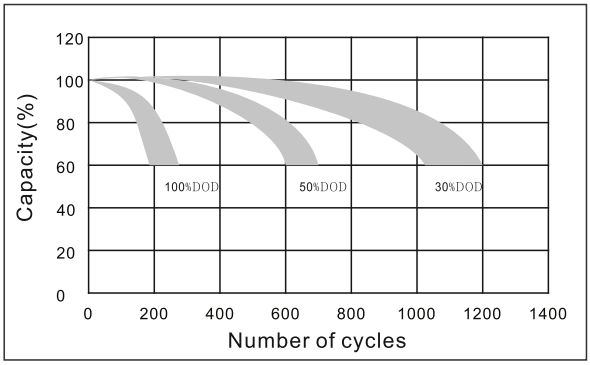
Charging characteristic



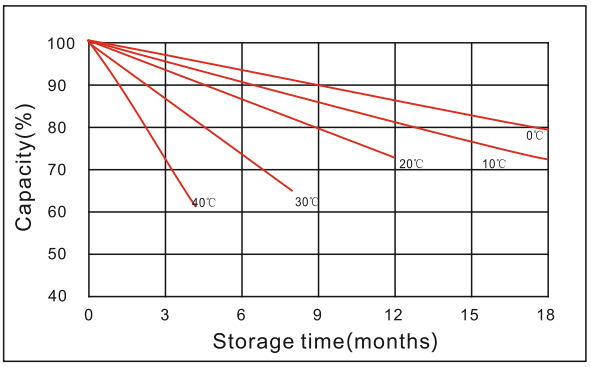
The effect of temperature on capacity



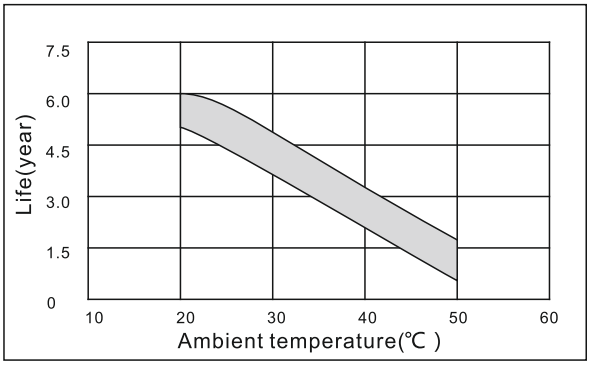
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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