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GLB 12-100FT

(12V-100Ah)



General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance.
- Relatively rich electrolyte, high temperature and low temperature performance are superior.
- Long cycle life, excellent deep cycle discharge ability.
- Excellent charge acceptance ability.
- Precision sealing technology.
- Long life.

Applications

- Solar / wind energy and other new energy storage.
- UPS/EPS.
- Power systems.
- Telecommunications system.
- Emergency lighting, Auto control system.
- Other general purpose

GLB 12-100FT Solar Battery

(12V-100Ah)

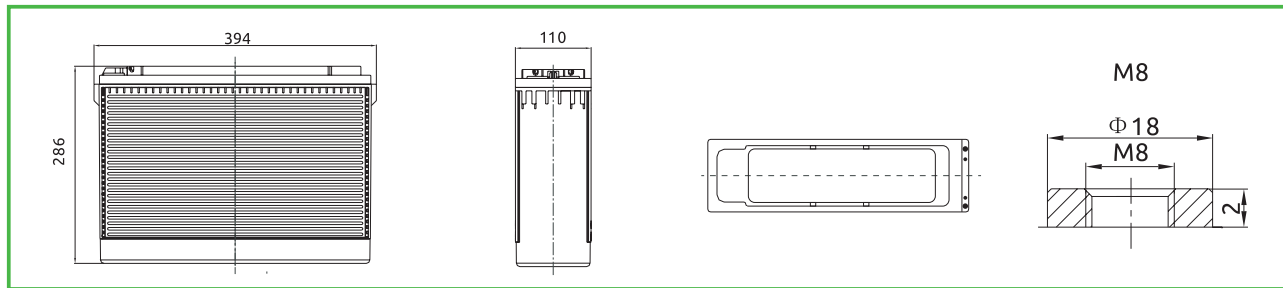


Specification

Nominal Voltage	12V
Voltage capacity	100 Ah
Design life	12 years
Weight	Approx. 29.0 Kg (65.1 lbs)
Internal resistance	Full charged at 25°C: 5.2 mΩ
Terminal	M8
Container material	A.B.S. (UL94-V0)
Maximum charging current	1200A(5S)
Self discharge	3% of capacity declined per month at 25°C
Rated capacity	100 Ah 10 Hours rate (10.0A to 10.8V) 78.9 Ah 3 Hours rate (26.3A to 10.8V) 64.2 Ah 1 Hours rate (64.2A to 10.5V)
Operating temperature	Discharge: -40 ~60°C(-40~ 140°F) Charge: -20 ~50°C(-4~ 122°F) Storage: -20 ~50°C(-4~ 122°F)
Charge Method (25 °C)	Charge current: Max. 25.0A; recom.10.0A 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)

Dimensions

394(profundo)110(largo)286(alto)×286(alto a terminal)



Constant current discharge characteristics : A (25°C 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	184	112	66.0	37.8	27.5	18.4	12.1	10.3	5.43
1.65V	178	110	65.6	37.6	27.2	18.2	12.0	10.2	5.40
1.70V	174	108	65.1	37.4	26.8	18.1	11.9	10.1	5.37
1.75V	169	107	64.2	36.8	26.5	17.9	11.8	10.0	5.35
1.80V	157	102	62.5	36.1	26.3	17.4	11.7	10.0	5.32
1.85V	140	93.3	57.9	34.3	24.8	16.5	11.2	9.65	5.23

Constant power discharge characteristics : W/cell (25°C 77°F)

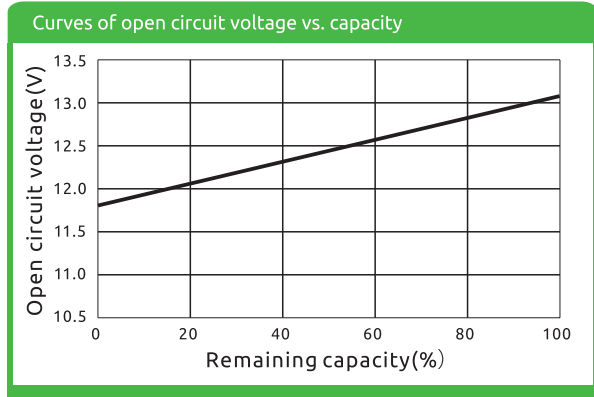
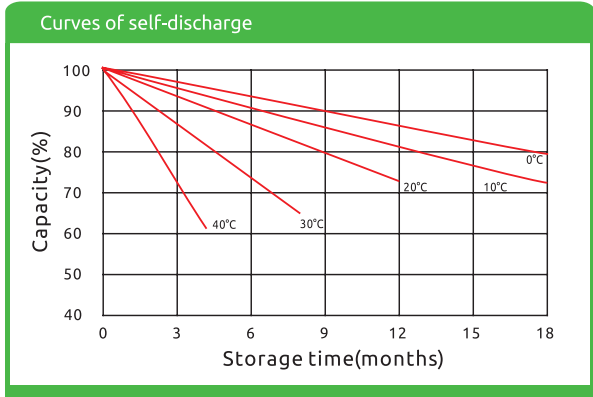
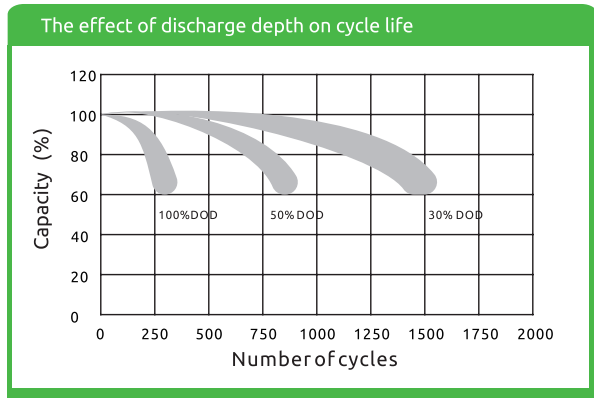
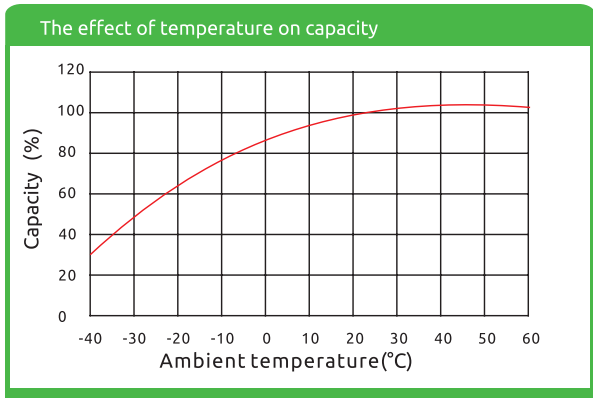
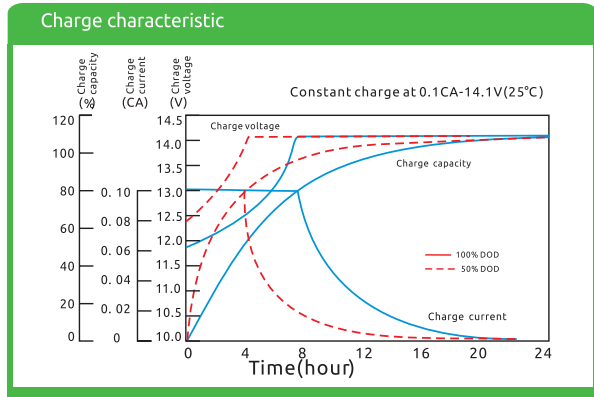
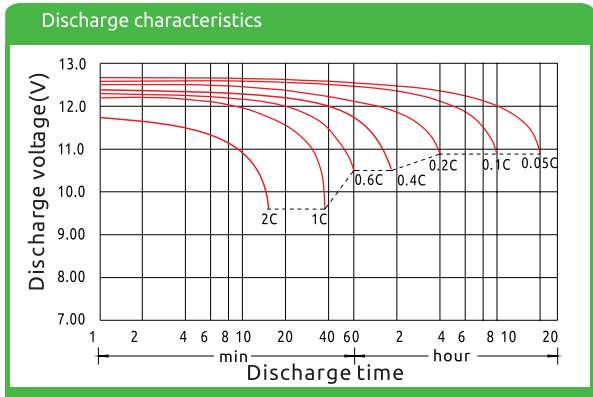
FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	323	202	125	71.5	52.2	35.0	23.5	19.9	10.7
1.65V	318	200	124	71.4	51.6	34.8	23.3	19.7	10.7
1.70V	314	200	123	71.1	51.3	34.5	23.2	19.5	10.6
1.75V	312	199	122	70.7	51.0	34.3	23.0	19.3	10.6
1.80V	295	194	121	70.5	50.8	33.9	22.9	19.1	10.5
1.85V	264	178	112	67.3	48.3	32.4	22.1	18.8	10.4

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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