

Join us in the change



NLB 12-100FT

(12V-100Ah)



General Features

- Lead-carbon composite negative plate, both capacitance and battery characteristics
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Optimized capability of instant high-current discharging
- Strong high and low temperature performance
- Precision sealing technology

Applications

- Solar/ wind energy and other new energy storage
- Hybrid vehicles, electric bicycles and other new energy vehicles
- Other backup or cycle purposes

NLB 12-100FT Solar Battery

(12V-100Ah)

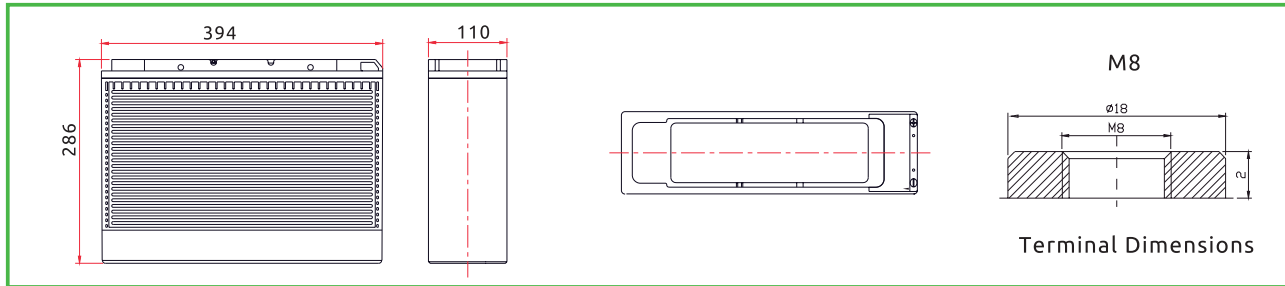


Specification

Nominal Voltage	12V
Voltage capacity	100 Ah
Design life	12 years
Weight	Approx. 31.0 Kg (68.3 lbs)
Internal resistance	Full charged at 25°C: 5.3 mΩ
Terminal	M8
Container material	A.B.S.
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) 80.7 Ah 3 Hours rate (26.9A to 10.8V) 65.5 Ah 1 Hours rate (65.6A 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

395(L)×110(W) ×286(H)×286(TH) Unit: mm



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

F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	352	189	115	67.3	38.6	28.0	18.8	12.4	10.4	5.46
1.65V	342	184	113	66.9	38.4	27.7	18.6	12.3	10.3	5.43
1.70V	328	180	111	66.4	38.1	27.3	18.4	12.2	10.2	5.40
1.75V	302	174	110	65.5	37.5	27.0	18.2	12.1	10.1	5.38
1.80V	270	162	105	63.8	36.8	26.9	17.7	12.0	10.0	5.35
1.85V	241	144	96.2	59.1	35.0	25.3	16.9	11.5	9.70	5.26

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

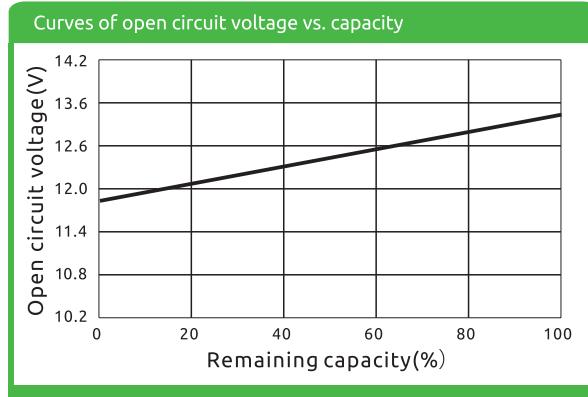
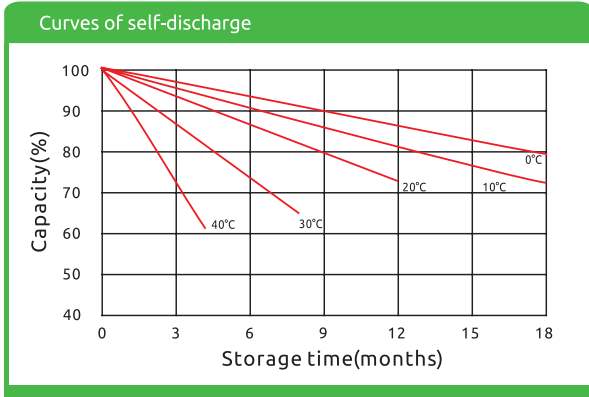
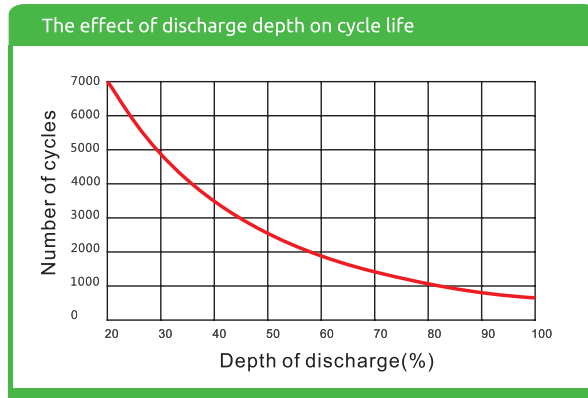
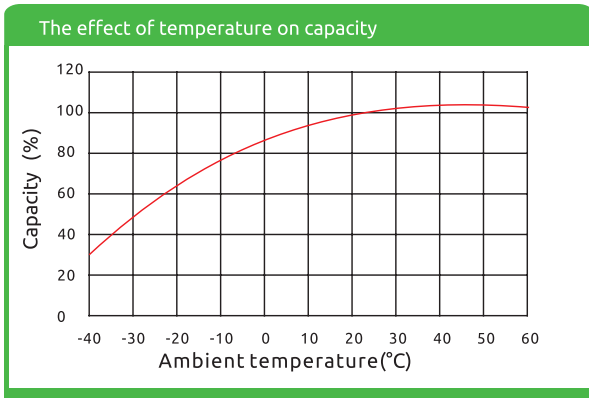
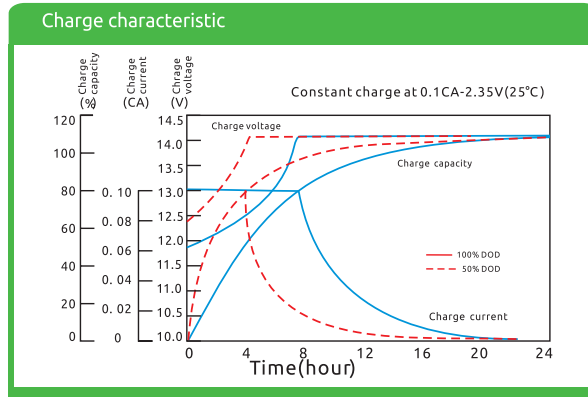
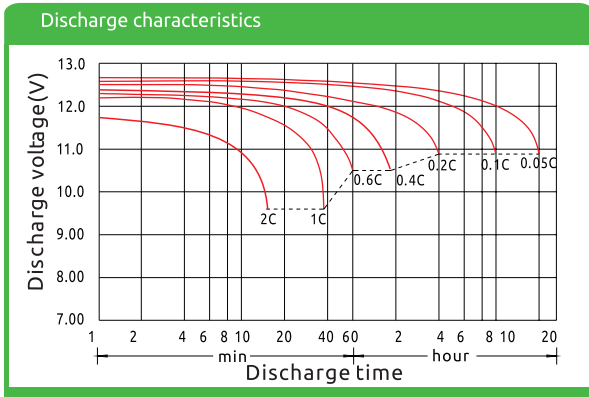
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	591	333	208	127	73.0	53.3	35.7	24.0	20.0	10.8
1.65V	568	328	206	126	72.8	52.6	35.5	23.8	19.8	10.8
1.70V	565	324	206	125	72.5	52.3	35.2	23.7	19.6	10.7
1.75V	527	322	205	124	72.1	52.0	35.0	23.5	19.4	10.7
1.80V	484	304	201	123	71.9	51.8	34.6	23.3	19.2	10.6
1.85V	432	272	184	115	68.7	49.3	33.0	22.5	18.9	10.5

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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