

# Join us in the change



## NLB 12-200FT

(12V-200Ah)



### 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 12-200FT Solar Battery

## (12V-200Ah)

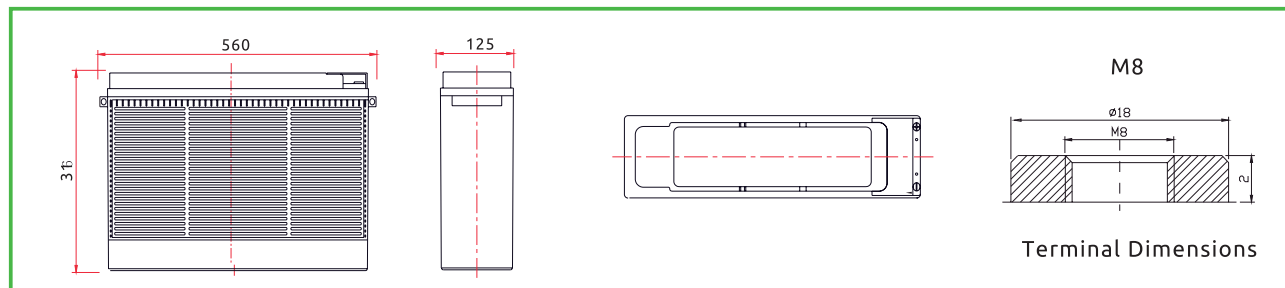


### Specification

Nominal Voltage	12V
Voltage capacity	200 Ah
Design life	12 years
Weight	Approx. 58.7 Kg (129 lbs)
Internal resistance	Full charged at 25°C: 3 mΩ
Terminal	M8
Container material	A.B.S.
Maximum charging current	2400A(5S)
Self discharge	3% of capacity declined per month at 25°C
Rated capacity	200 Ah 10 Hours rate (20.0A to 10.8V) 161 Ah 3 Hours rate (53.7A to 10.8V) 131 Ah 1 Hours rate (131A 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. 50.0A; recom. 20.0A 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

560(L)×125(W) ×316(H)×316(TH) Unit: mm



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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	705	379	230	135	77.2	56.1	37.6	24.7	20.8	10.9
1.65V	683	367	226	134	76.8	55.5	37.2	24.5	20.6	10.9
1.70V	656	359	222	133	76.2	54.7	36.8	24.3	20.4	10.8
1.75V	603	348	221	131	75.1	54.1	36.5	24.1	20.2	10.8
1.80V	541	324	211	128	73.7	53.7	35.5	23.9	20.0	10.7
1.85V	482	289	192	118	70.0	50.6	33.7	22.9	19.4	10.5

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

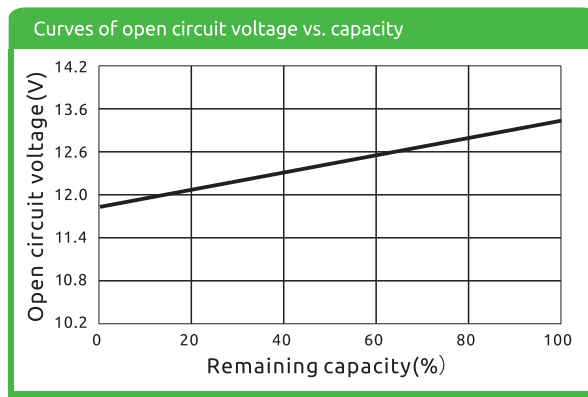
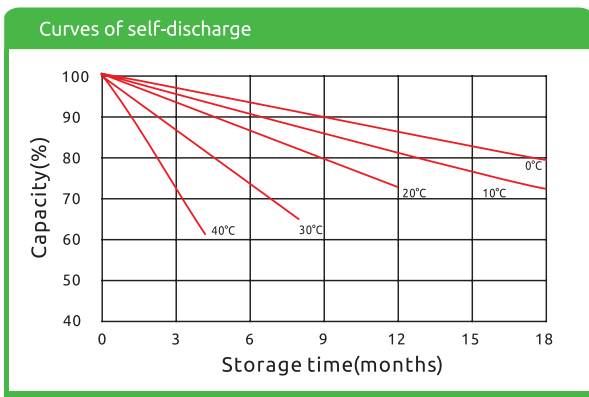
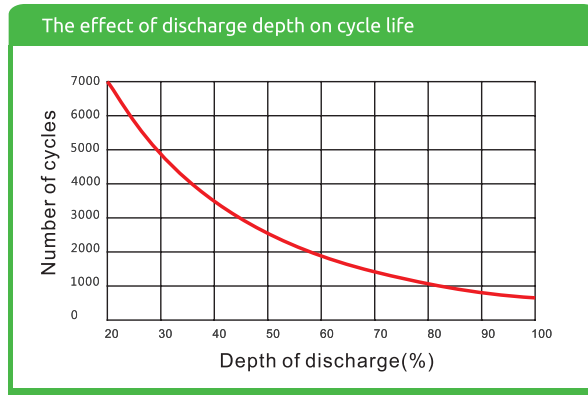
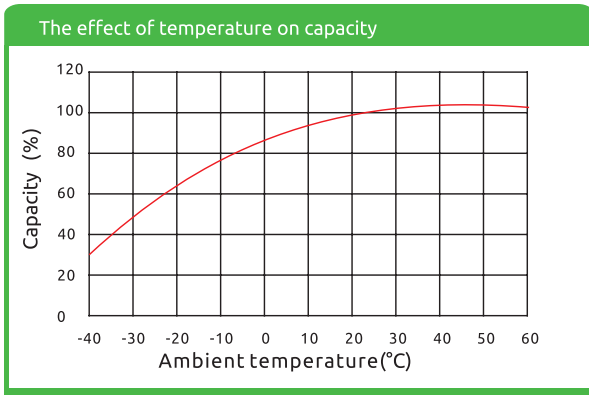
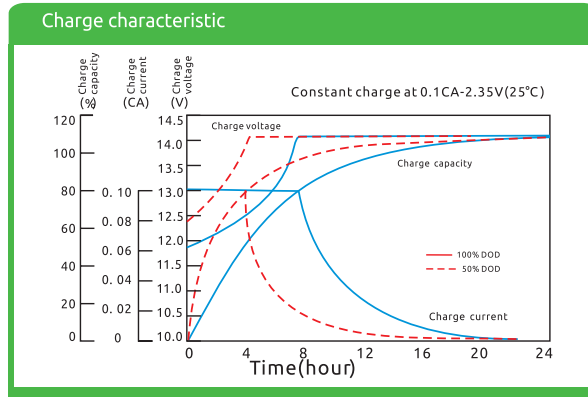
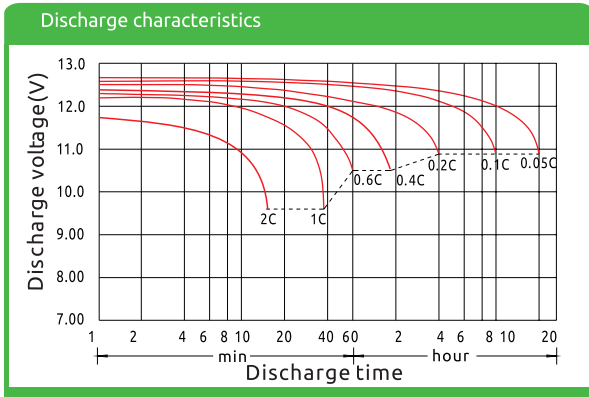
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1181	667	417	255	146	107	71.3	48.0	40.0	21.6
1.65V	1136	655	413	253	146	105	71.0	47.6	39.6	21.5
1.70V	1131	647	413	251	145	105	70.4	47.4	39.2	21.4
1.75V	1054	643	411	249	144	104	70.0	47.0	38.8	21.3
1.80V	968	608	401	247	144	104	69.2	46.6	38.4	21.2
1.85V	865	544	368	229	137	98.6	66.1	45.1	37.8	21.0

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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