

# NERBO<sup>®</sup>

## NBC 15-12L



NBC series is specially designed for frequent deep cycle discharge. By using the specially designed active material and strong grids, the NBC series battery offers reliable performance in high load conditions. Suitable for any kind of power-driven vehicles, especially for scooters, wheelchairs etc.

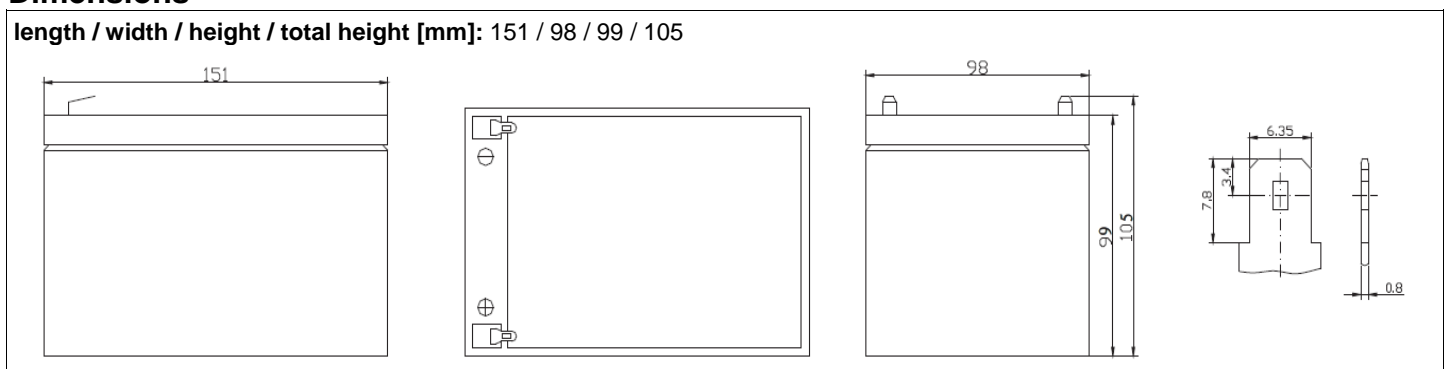
### Specification

Number of cells	6
Voltage	12 V
Capacity	15 Ah at 20 h discharge down to 1.8V by cell at 25°C
Weight	approx. 4,5 kg
Max discharge current	140 A (5 s)
Internal resistance	approx. 12 mΩ
Working temperature	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Optimum working temperature	25°C±5°C
Max. Charge current	4,2 A
Charge voltage	14,6÷14,8 VDC for cyclic work at 25°C
Self-discharge	Batteries may be stored for a period longer than 6 months at 25°C. Before use please charge batteries.
Terminal	Connector 6,3 mm
Case material	A.B.S. (UL94-HB), fire resistance UL94-V-0 optional

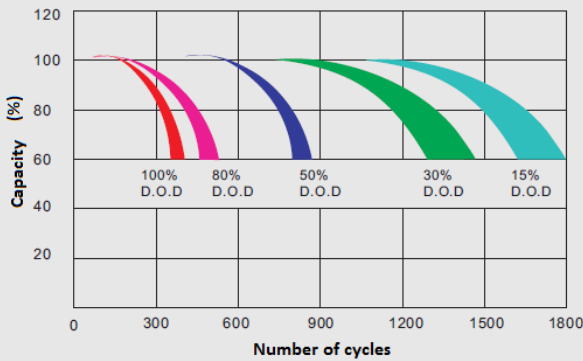


### Dimensions

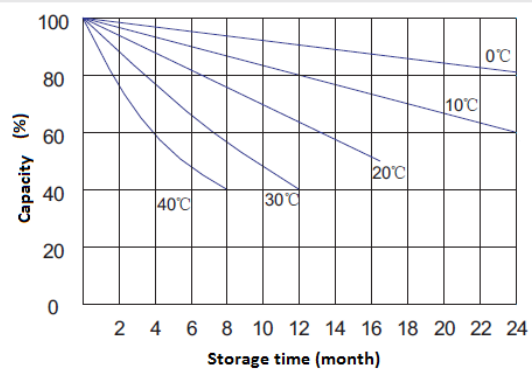
length / width / height / total height [mm]: 151 / 98 / 99 / 105



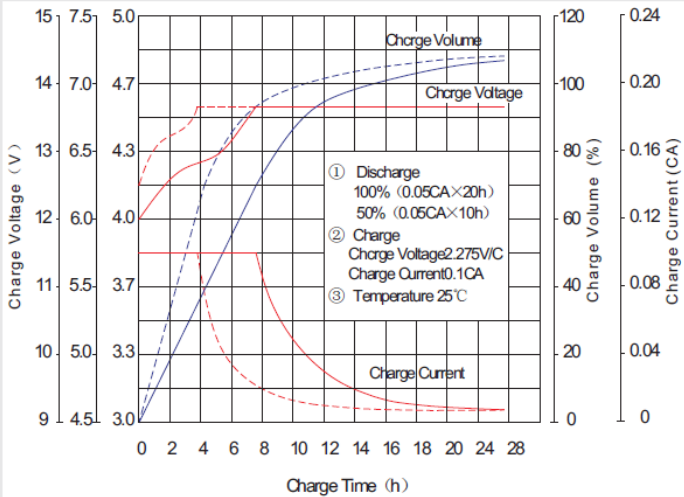
**Cyclic usefull life**



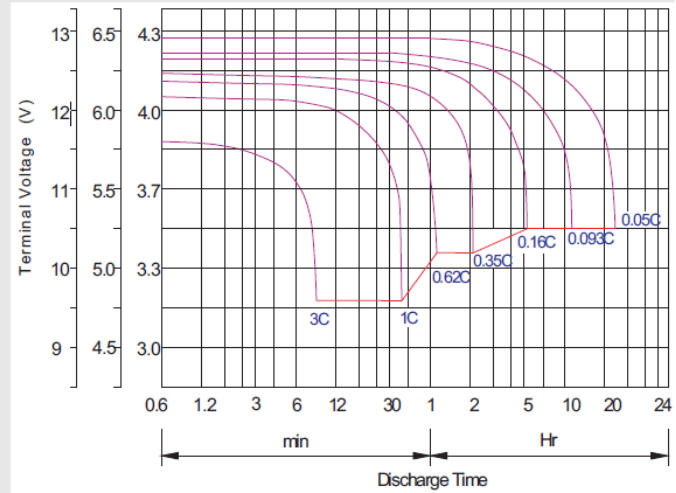
**Self-discharge in time**



**Charge characteristics**



**Discharge characteristics**



### Constant current characteristics: A at 25°C

Voltage / Time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9,6 V	58,53	38,37	25,58	15,21	9,65	5,85	3,89	3,17	2,60	1,66	1,45	0,79
10,0 V	56,42	37,42	27,67	15,02	9,52	5,74	3,81	3,12	2,58	1,65	1,43	0,76
10,2 V	53,10	35,56	26,90	14,79	9,43	5,68	3,78	3,09	2,56	1,64	1,42	0,75
10,5 V	47,73	33,26	25,37	14,38	9,31	5,60	3,75	3,04	2,53	1,64	1,40	0,72
10,8 V	42,77	31,01	23,94	13,66	9,11	5,56	3,70	2,94	2,52	1,63	1,37	0,69
11,1 V	37,42	28,43	22,08	13,38	8,75	5,33	3,63	2,90	2,50	1,62	1,36	0,67

### Constant power characteristics: W at 25°C

Voltage / Time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9,6 V	634,80	420,80	315,40	174,20	111,80	70,02	46,47	37,89	31,16	19,83	17,33	9,45
10,0 V	618,30	412,10	310,90	172,30	110,20	68,52	45,71	37,35	30,88	19,77	17,17	9,12
10,2 V	588,10	395,70	306,80	170,90	109,40	67,96	45,31	37,01	30,70	19,70	17,00	8,95
10,5 V	536,80	379,40	290,80	167,40	107,90	67,18	44,98	36,51	30,45	19,63	16,83	8,61
10,8 V	484,30	354,90	275,00	160,90	107,90	66,63	44,46	35,27	30,31	19,55	16,48	8,26
11,1 V	427,00	330,50	258,80	158,90	104,20	64,03	43,59	34,77	30,20	19,47	16,30	8,10