

NERBO®

NBC 120-12i



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.

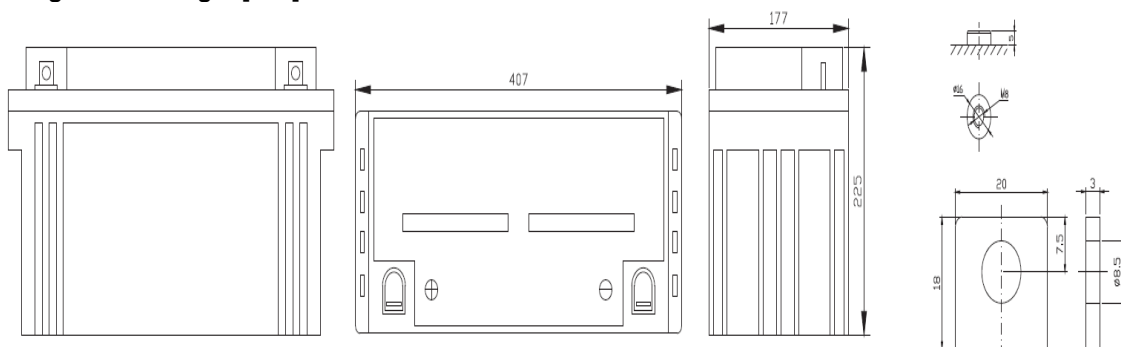
Specification

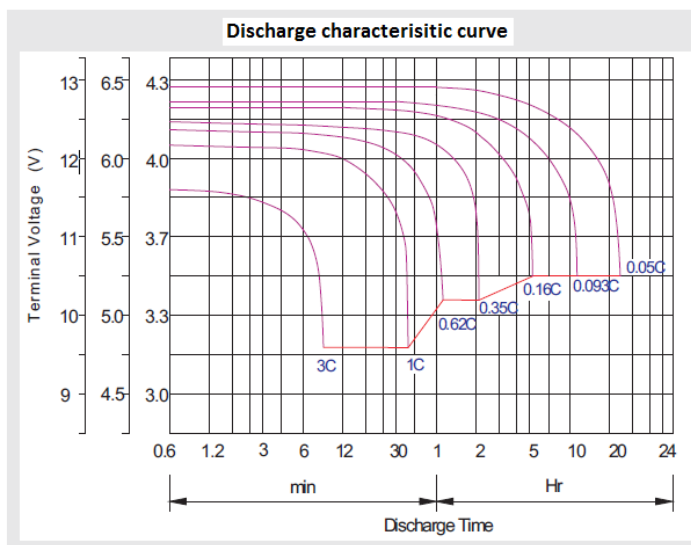
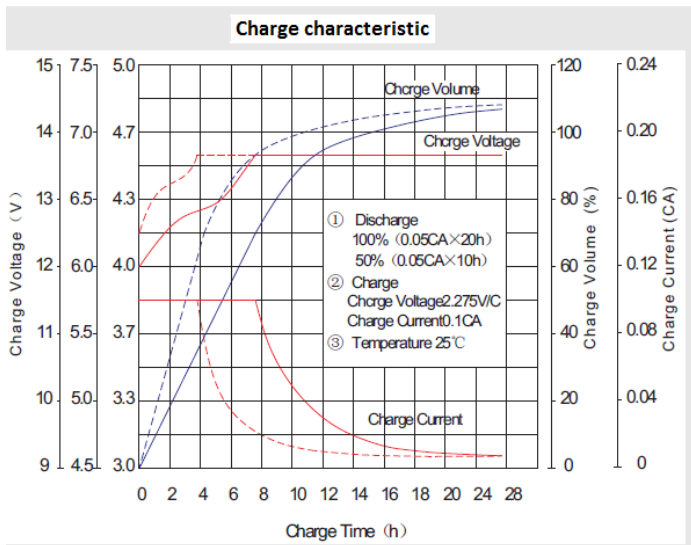
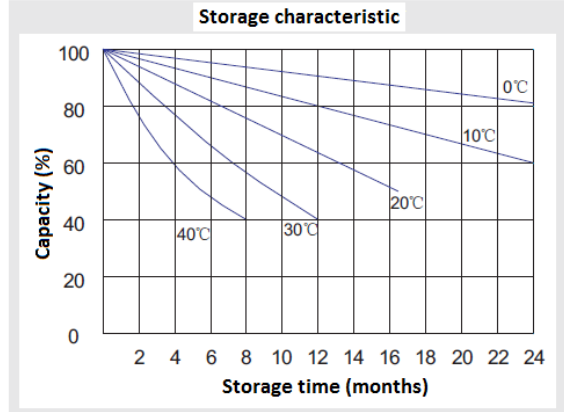
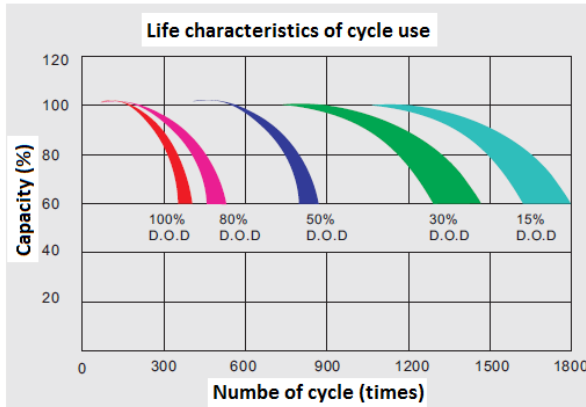
Number of cells	6
Voltage	12 V
Capacity	120 Ah at 20 h discharge down to 1.8V by cell at 25°C
Weight	approx. 35 kg
Max discharge current	1200 A (5 s)
Internal resistance	approx. 4 mΩ
Working temperature	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Optimum working temperature	25°C±5°C
Max Charge current	36 A
Equalization and cycle service	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	Internal screw M8
Case material	A.B.S. (UL94-HB), fire resistance UL94-V-0 optional



Dimensions

length / width height / total height [mm]: 407 / 177 / 225 / 225





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	382,0	278,8	217,7	120,6	74,90	46,24	31,43	25,34	21,04	13,86	12,49	6,61
10,0 V	371,0	265,3	213,2	119,0	73,91	45,31	30,84	24,98	20,85	13,8	12,36	6,49
10,2 V	360,0	255,9	209,9	117,2	73,20	44,83	30,57	24,73	20,71	13,68	12,24	6,36
10,5 V	323,2	236,1	199,8	114,0	72,30	44,25	30,3	24,37	20,54	13,55	12,12	6,24
10,8 V	291,7	215,3	184,2	110,2	71,30	43,88	29,95	23,53	20,44	13,5	12,01	6,18
11,1 V	249,1	192,4	165,2	106,0	69,61	42,12	29,36	23,19	20,29	13,39	11,87	5,93

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	3951	2969	2395	1380	886,0	541,9	370,0	303,3	252,0	165,9	149,7	79,63
10,0 V	3873	2878	2356	1366	860,1	535,3	364,5	299	249,7	165,3	148,6	78,25
10,2 V	3829	2802	2330	1354	855,0	531,5	362,9	296,2	248,2	164,0	147,2	76,80
10,5 V	3486	2609	2222	1326	849,5	524,8	359,9	292,2	246,2	162,6	145,8	75,35
10,8 V	3175	2405	2054	1295	838,6	520,9	355,9	282,4	245,1	161,9	144,4	74,62
11,1 V	2789	2175	1849	1259	826,0	501,4	349,9	278,3	244,2	160,8	142,8	71,95

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