

NERBO®

NBC 60-12i



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 situations. Suitable for power-driven scooters, electric wheel chairs etc.

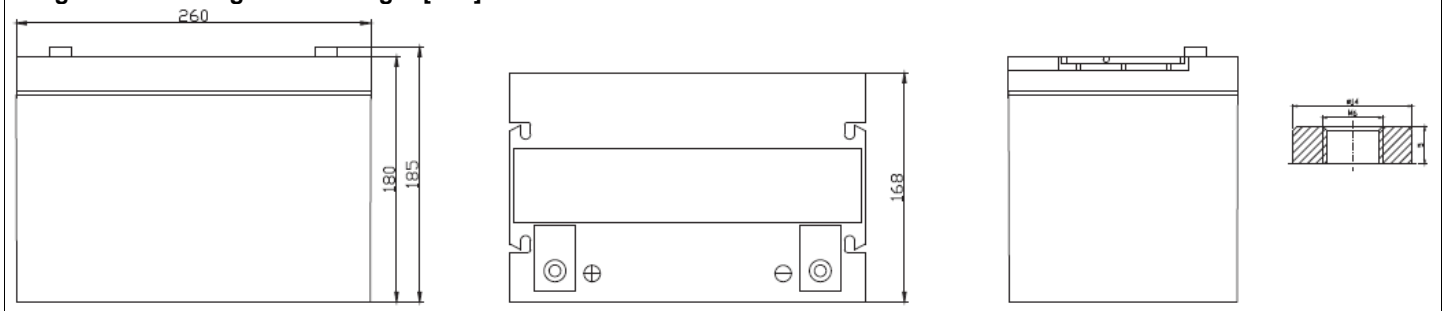
Specification

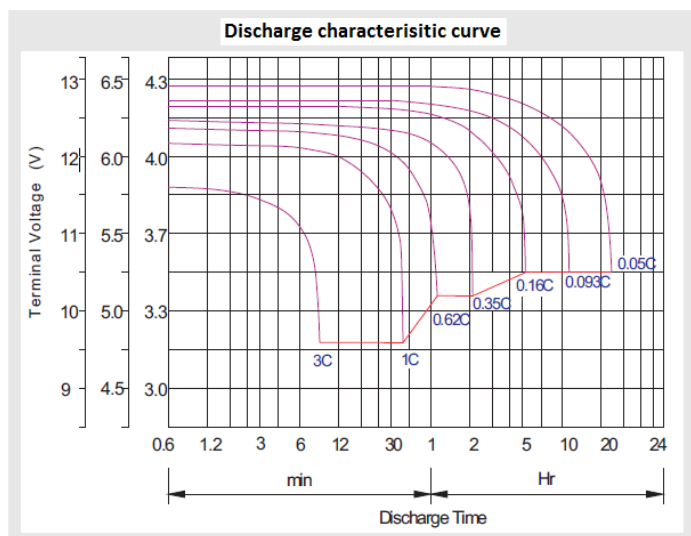
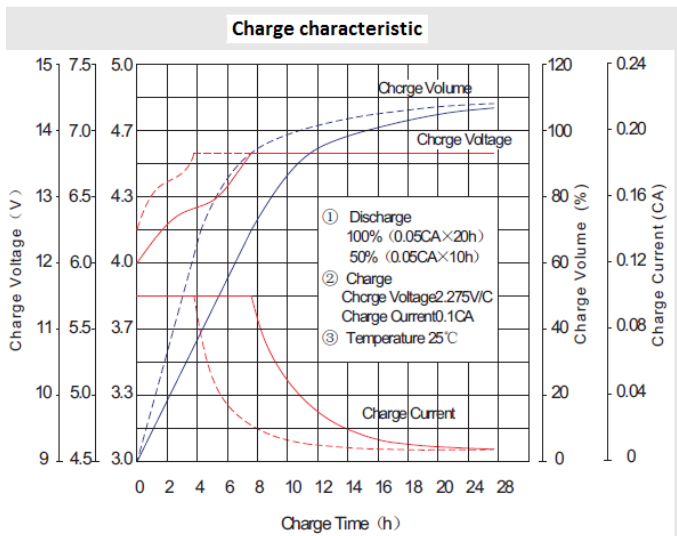
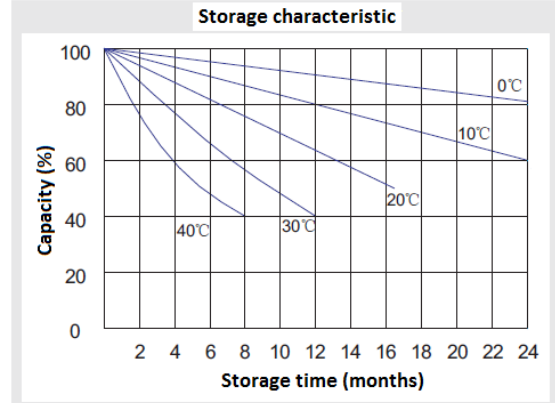
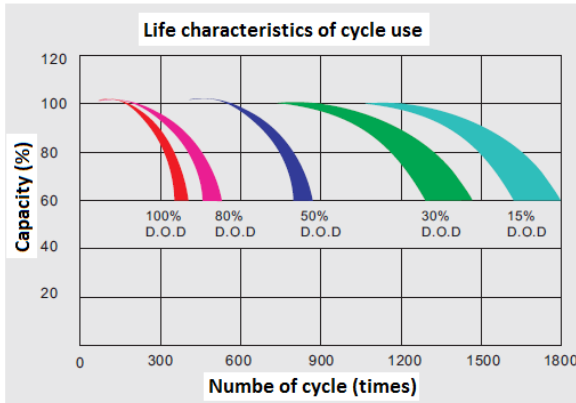
Cells per unit	6
Voltage	12 V
Capacity	60 Ah at 20 h-rate to 1.8V per cell at 25°C
Weight	approx. 20 kg
Max discharge current	600 A (5 s)
Internal Resistance	approx. 6,5 mΩ
Operating temperature range	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Normal operating temperature	25°C±5°C
Max charging current	18 A
Equalization and cycle service	14,6÷14,8 VDC/unit average at 25°C
Self discharge	Batteries may be stored for a period longer than 6 months at 25°C. Please charge batteries before use.
Terminal	Internal thread M6
Case material	A.B.S. (UL94-HB), fire resistance UL94-V-0 optional



Dimensions

Length / width / height / total height [mm]: 260 / 168 / 180 / 185





Constant Current Discharge Characteristics: A at 25°C

Vol. / 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	201,0	148,0	115,4	70,32	39,00	23,32	16,11	13,34	11,23	7,67	6,26	3,40
10,0 V	195,2	140,8	113,0	69,10	38,82	23,15	16,04	13,28	11,17	7,61	6,20	3,33
10,2 V	189,4	135,9	111,2	67,82	38,46	22,97	15,92	13,22	11,10	7,55	6,14	3,27
10,5 V	170,1	125,4	105,9	67,31	38,10	22,80	15,86	13,09	10,79	7,49	6,08	3,21
10,8 V	153,5	114,3	97,63	66,16	37,20	22,39	15,43	12,79	10,77	7,36	6,02	3,15
11,1 V	131,1	102,2	87,58	61,94	35,34	21,39	14,75	12,17	10,31	7,05	5,84	2,96

Constant Power Discharge Characteristics: W at 25°C

Vol. / 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	2121	1576	1258	789	450,70	274,90	191,70	159,00	134,00	91,61	74,78	40,71
10,0 V	2079	1528	1238	779	449,60	273,40	191,30	158,80	133,70	91,17	74,31	40,00
10,2 V	2055	1488	1224	773	446,10	271,80	190,90	158,50	133,20	90,57	73,65	39,26
10,5 V	1871	1385	1167	768	442,10	269,80	190,10	157,00	131,60	89,82	72,92	38,52
10,8 V	1704	1277	1079	756	433,90	266,40	185,00	153,40	129,20	88,32	72,20	37,78
11,1 V	1497	1155	971	712	415,40	256,50	177,00	146,00	123,70	84,58	70,04	35,56

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