

NERBO®

NBC 80-12i

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.



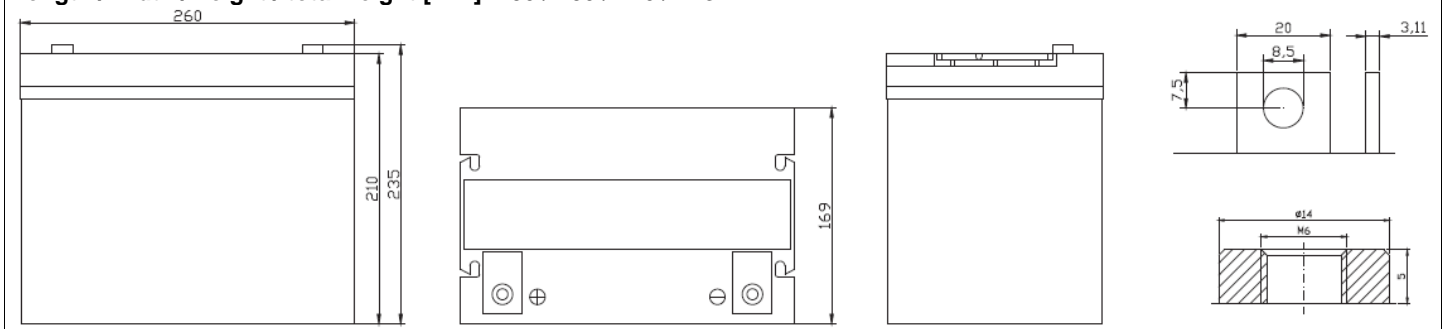
Specification

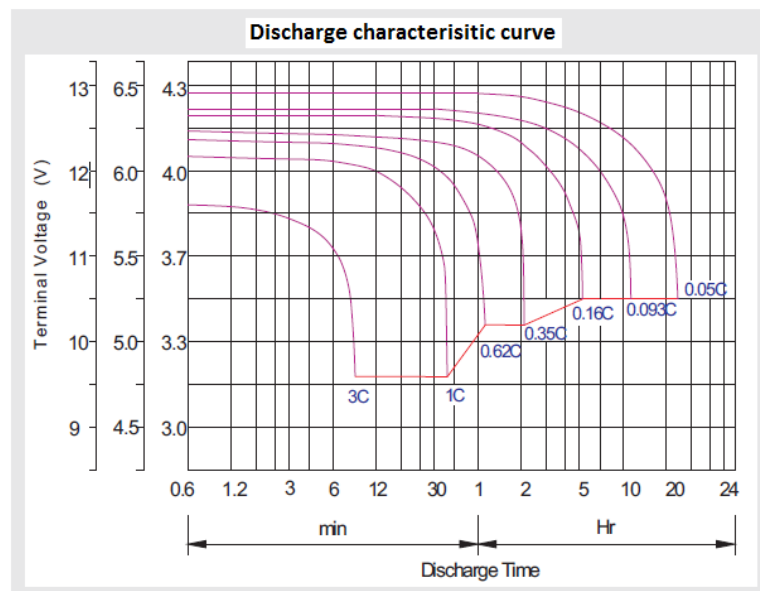
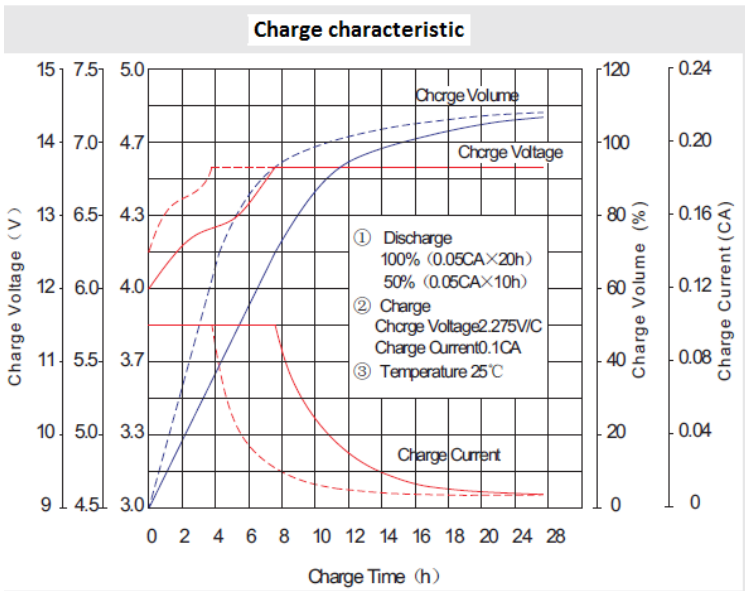
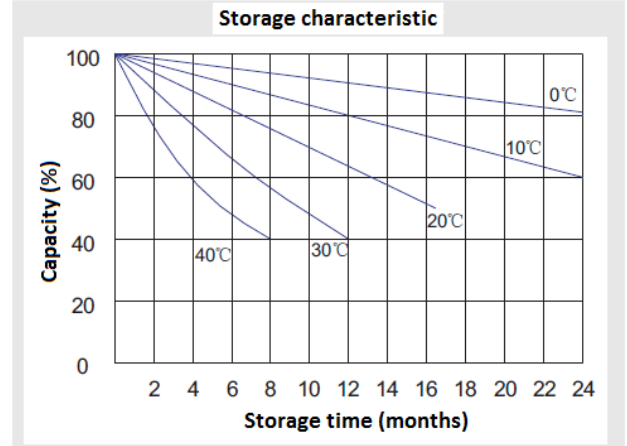
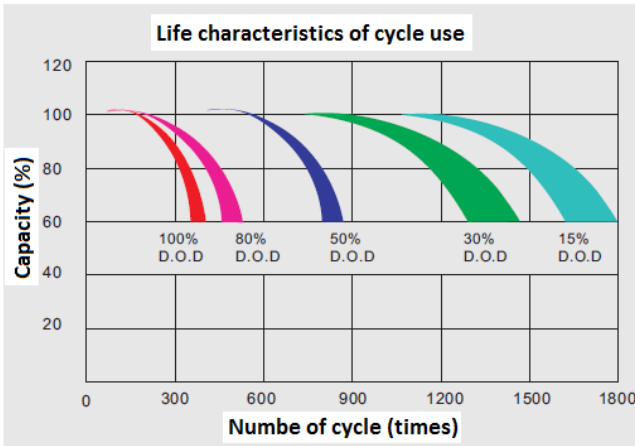
Cells per unit	6
Voltage	12 V
Capacity	80 Ah at 20 h-rate to 1.8V per cell at 25°C
Weight	Ca. 23,5 kg
Max discharge current	800 A (5 s)
Internal resistance	approx. 6 mΩ
Operating temperature range	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Optimal operating temperature	25°C±5°C
Max charging current	22,5 A
Equalization and cycle service	14,6÷14,8 VDC/unit average at 25°C
Self-discharge	Batteries may be stored for 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 / 169 / 210 / 213





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	256,15	157,35	146,95	89,57	49,69	29,90	20,52	16,99	14,31	9,78	8,11	4,33
10,0 V	248,77	179,40	143,94	88,04	49,45	29,49	20,44	16,92	14,23	9,69	8,03	4,24
10,2 V	241,38	173,06	141,75	86,40	48,99	29,27	20,28	16,84	14,14	9,62	7,96	4,17
10,5 V	216,74	159,74	134,99	85,76	48,54	29,05	20,21	16,68	13,98	9,54	7,87	4,09
10,8 V	122,82	145,60	124,38	84,29	47,39	28,53	19,66	16,29	13,72	9,38	7,80	4,01
11,1 V	167,02	130,21	111,59	78,92	45,02	27,26	18,79	15,51	13,14	8,98	7,56	3,78

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	2701	2008	1602	1005	574,18	350,27	244,30	202,59	170,66	116,69	96,88	51,87
10,0 V	2648	1946	1576	992	572,73	348,40	244,19	202,38	170,25	116,17	96,27	50,97
10,2 V	2618	1894	1558	985	568,36	346,32	243,15	201,86	169,73	115,34	95,42	50,02
10,5 V	2383	1764	1487	979	563,26	343,72	242,22	199,99	167,65	114,40	94,48	49,08
10,8 V	2171	1626	1374	963	552,86	339,35	235,66	195,42	164,63	112,53	93,55	48,13
11,1 V	1907	1470	1237	907	529,15	326,77	225,47	186,06	157,56	107,74	90,74	45,30