

# NERBO®

## NBC 100-12i

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.



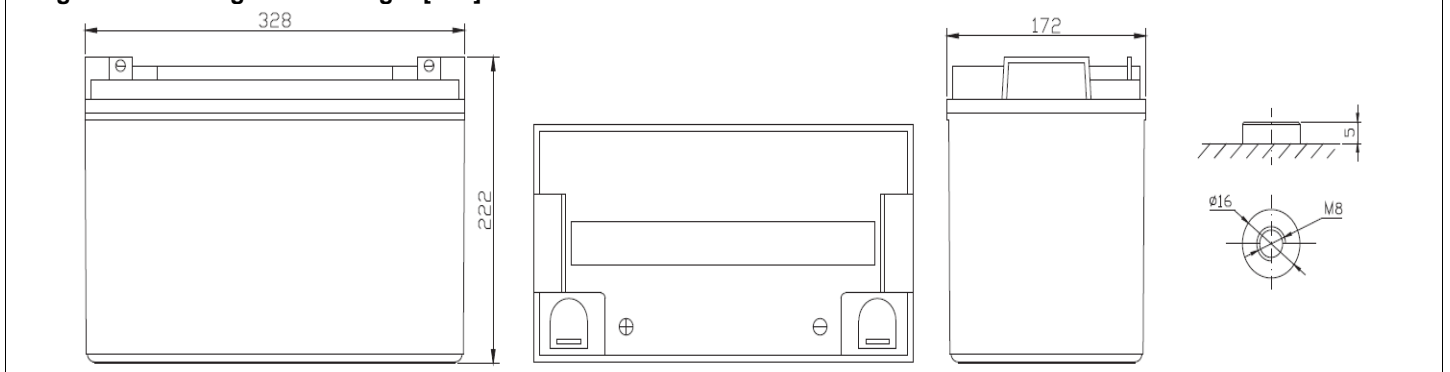
### Specification

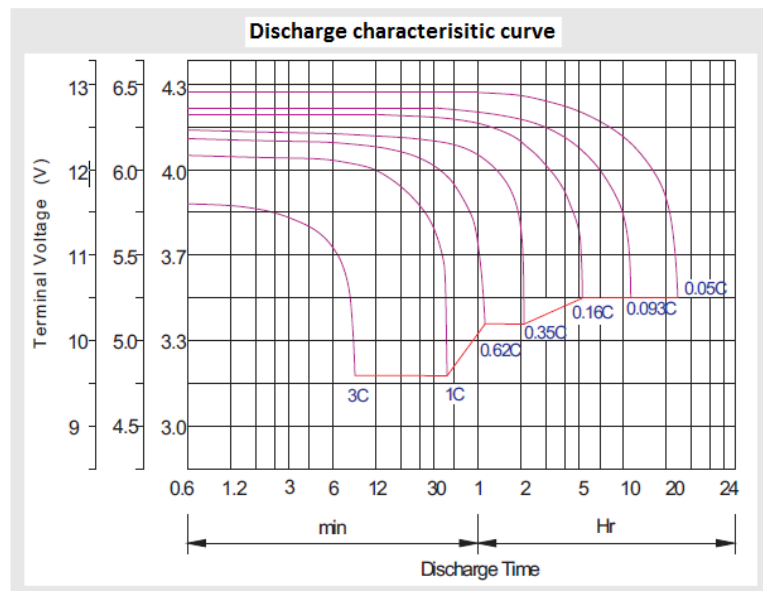
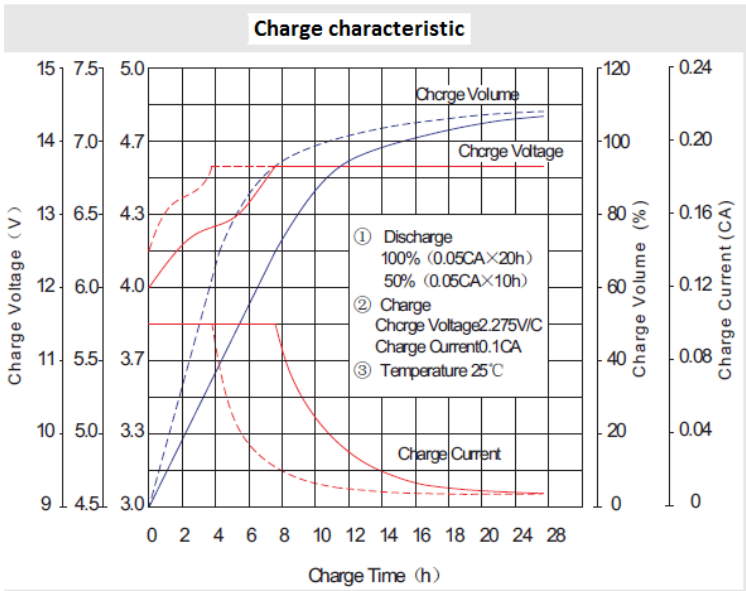
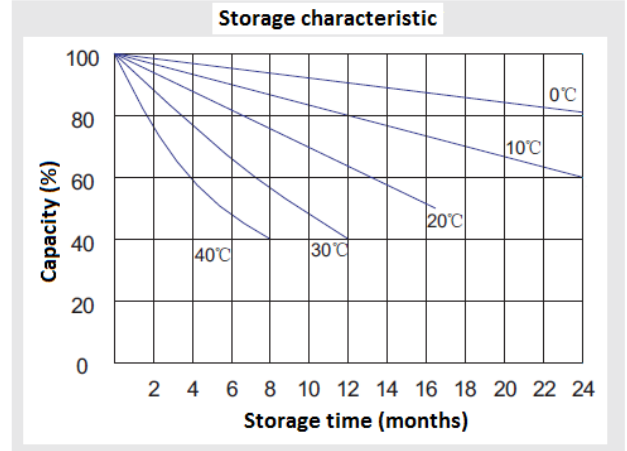
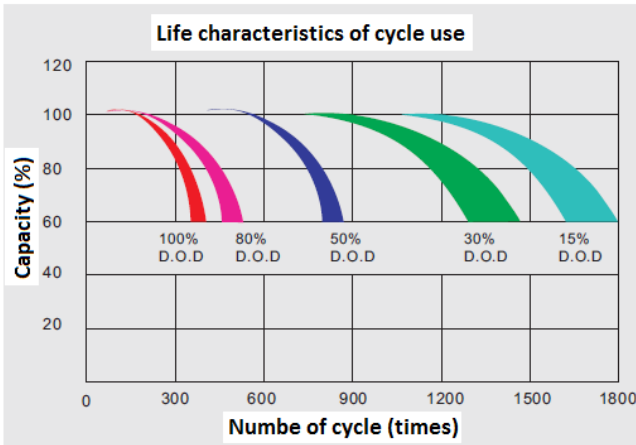
Cells per unit	6
Voltage	12 V
Capacity	100 Ah at 20 h-rate at 1.8V per cell at 25°C
Weight	Ca. 30 kg
Max discharge current	1000 A (5 s)
Internal resistance	approx. 5 mΩ
Operating temperature range	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Normal operating temperature	25°C±5°C
Max charging current	28,5 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 M8
Case material	A.B.S. (UL94-HB), fire resistance UL94-V-0 optional



### Dimensions

Length / width / height / total height [mm]: 328 / 172 / 222 / 225





### Constant Current Discharge Characteristics: A at 25°C

Nap. / Czas	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	353,18	260,10	191,88	112,32	64,22	39,18	26,43	21,97	17,50	12,64	10,29	5,44
10,0 V	342,99	247,42	187,93	110,34	62,94	38,88	26,22	21,87	17,40	12,53	10,18	5,35
10,2 V	332,80	238,68	185,02	108,37	61,36	38,58	25,73	21,77	17,29	12,43	10,08	5,24
10,5 V	298,90	220,27	176,18	107,54	60,07	38,29	25,13	21,56	17,08	12,32	9,98	5,14
10,8 V	269,78	200,82	162,34	105,66	58,29	37,61	24,71	21,05	16,94	12,12	9,89	5,09
11,1 V	230,36	179,50	145,60	98,90	56,22	35,93	24,28	20,04	16,52	12,61	9,78	4,88

### Constant Power Discharge Characteristics: W at 25°C

Nap. / Czas	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	3726	2797	2123	1285	742,12	464,98	314,18	261,87	209,66	150,80	123,34	67,08
10,0 V	3653	2711	2089	1269	740,38	463,53	312,83	261,56	208,21	150,07	122,62	65,83
10,2 V	3610	2640	2073	1258	734,55	460,72	308,05	260,94	207,48	149,14	121,47	64,69
10,5 V	3287	2458	2010	1264	720,10	459,40	301,18	258,54	205,50	147,89	120,33	63,44
10,8 V	2994	2266	1857	1243	699,71	452,40	297,65	252,62	203,32	145,39	119,08	62,19
11,1 V	2630	2068	1705	1172	675,06	432,95	292,55	240,45	198,54	139,26	117,52	60,42

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