

# NERBO®

## NBC 36-12i

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.



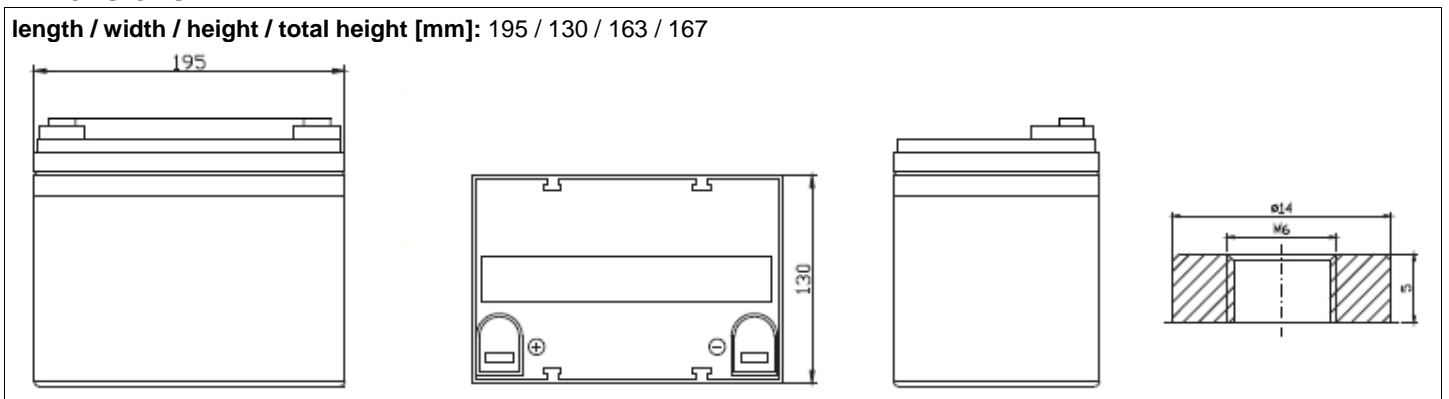
### Specification

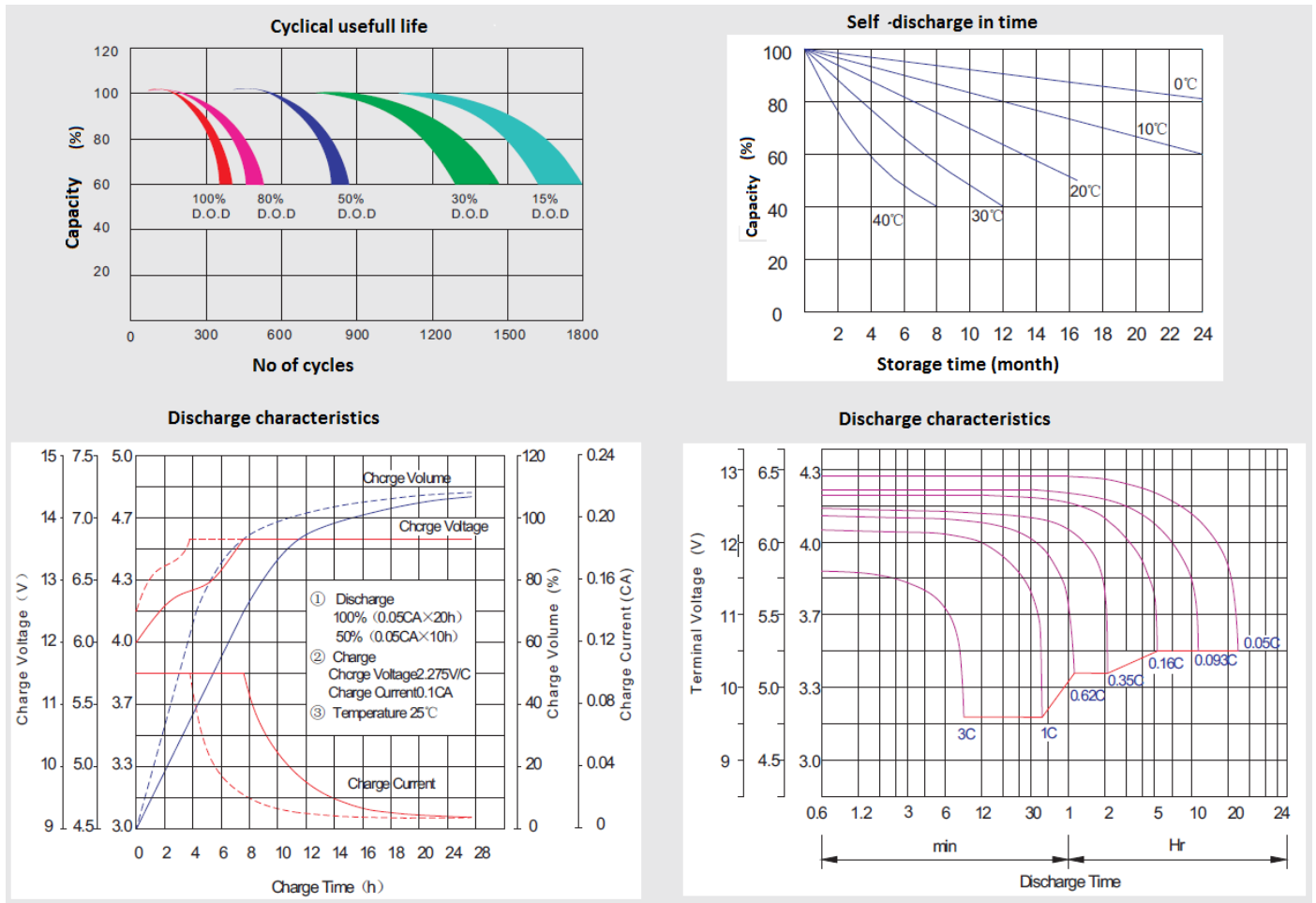
No of cells	6
Voltage	12 V
Capacity	36 Ah at 20 h discharge down to 1.8V by cell at 25°C
Weight	Approx. 10,2 kg
Max Discharge current	360 A (5 s)
Internal resistance	Approx. 9 mΩ
Working temperature	Discharge: -20°C ÷ 60°C Charge: 0°C ÷ 50°C Storage: -20°C ÷ 60°C
Optimum working temperature	25°C±5°C
Max Charge current	9,9 A
Charge voltage	14,6÷14,8 VDC for cyclic work at 25°C
Self-discharge	Batteries may be stored for longer than 6 months at 25°C. Before use please charge batteries.
Terminal	Internal thread M5
Case material	A.B.S. (UL94-HB), fire resistance UL94-V-0 custom available.



### Dimensions

length / width / height / total height [mm]: 195 / 130 / 163 / 167





### 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	122,72	90,33	66,66	39,00	22,31	13,60	9,18	7,63	6,08	4,39	3,57	1,89
10,0 V	119,18	85,96	65,29	38,35	21,86	13,51	9,11	7,60	6,04	4,35	3,54	1,86
10,2 V	115,65	82,92	64,27	37,63	21,31	13,41	8,94	7,56	6,01	4,31	3,50	1,82
10,5 V	103,82	76,51	61,19	37,35	20,86	13,30	8,73	7,49	5,93	4,28	3,47	1,79
10,8 V	93,70	69,77	56,41	36,71	20,25	13,06	8,58	7,31	5,89	4,21	3,44	1,77
11,1 V	80,00	62,36	50,60	34,37	19,53	12,48	8,44	6,96	5,74	4,03	3,40	1,70

### 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	1294	971	737	446	257,82	161,51	109,15	90,96	72,84	52,40	42,85	23,29
10,0 V	1268	941	725	441	257,19	160,99	108,68	90,84	72,31	52,15	42,58	22,88
10,2 V	1254	917	720	437	255,22	160,06	107,01	90,65	72,07	51,80	42,19	22,46
10,5 V	1142	853	698	439	250,12	159,54	104,63	89,80	71,39	51,38	41,79	22,04
10,8 V	1040	787	645	432	243,05	157,14	103,38	87,76	70,64	50,52	41,37	21,61
11,1 V	913	718	592	407	234,52	150,38	101,61	83,52	68,97	48,38	40,84	20,99