



NB 1.3 - 12 (12 V, 1.3 Ah)

Lead-acid NERBO batteries of NB series in AGM technology are designed for cyclical and buffer work. Nerbo batteries have an optimal price-quality ratio what makes them the best alternative for more expensive solutions. Their durability is designed for 5 years work at 20-25°C

CHARACTERISTICS

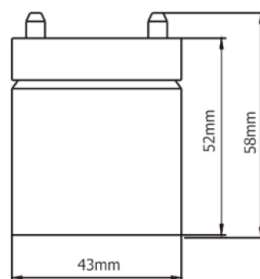
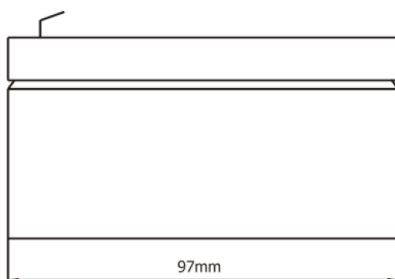
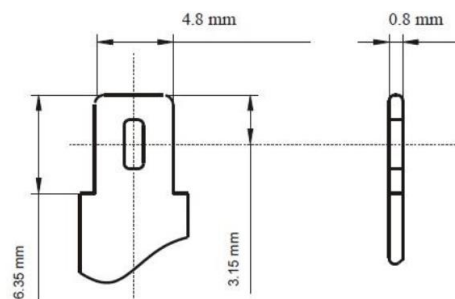
Performance technology	VRLA-AGM
Nominal voltage	12 V
Nominal capacity (20 h/10.5 V, 25°C)	1.3 Ah
Maximum charge current	0,39 A
Maximum discharge current (5 sec)	19,5 A
Weight	~ 0.52 kg
Internal resistance (25°C)	~ 90 mΩ
Self-discharge drop of capacity by 3% after a month at 25°C	
Case material	ABS(UL94HB, optional UL94V-0)

APPLICATION

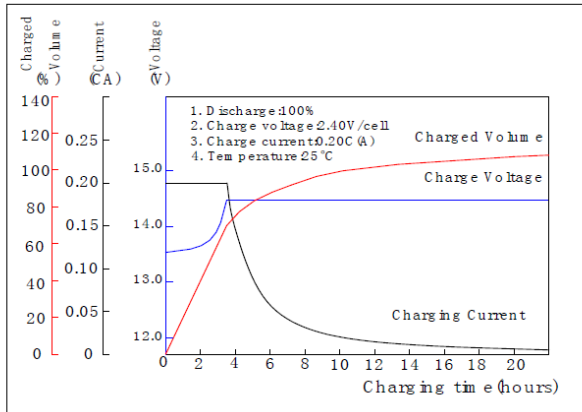
- alarm systems
- portable devices
- cash registers
- toys
- communication devices
- battery back-up

DIMENSION

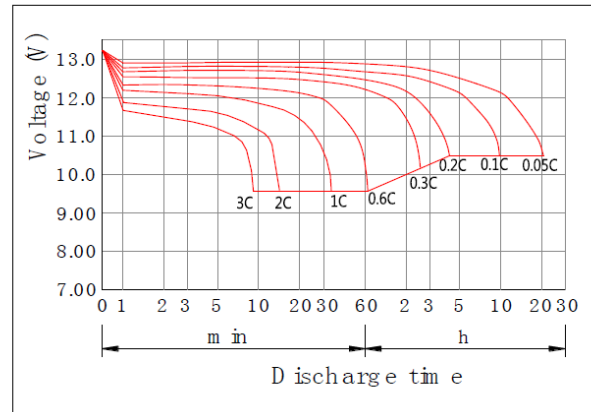
length	97 mm
width	43 mm
height	52 mm
total height	58 mm



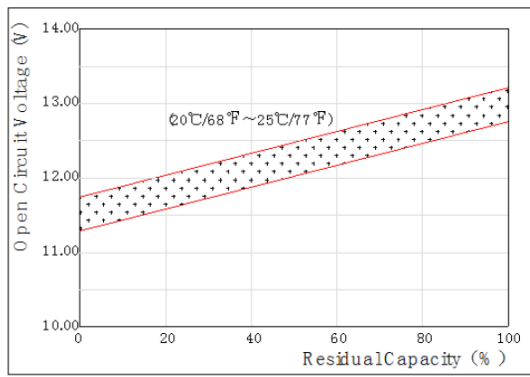
CHARGE CHARACTERISTICS



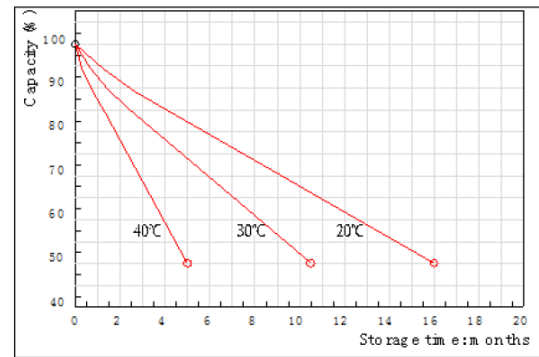
DISCHARGE CHARACTERISTICS (25°C)



CAPACITY VERSUS VOLTAGE OCV



SELF-DISCHARGE IN TIME



CONSTANT CURRENT CHARACTERISTICS (A at 25°C)

Cut-off voltage	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	4.71	2.98	2.36	1.31	0.81	0.44	0.316	0.253	0.215	0.117	0.066
9.90V	4.57	2.89	2.30	1.29	0.79	0.44	0.314	0.251	0.214	0.117	0.066
10.2V	4.38	2.77	2.21	1.25	0.77	0.43	0.312	0.250	0.212	0.116	0.065
10.5V	4.19	2.65	2.14	1.22	0.76	0.43	0.310	0.248	0.211	0.115	0.065
10.8V	3.96	2.50	2.03	1.17	0.74	0.42	0.301	0.241	0.204	0.113	0.064

CONSTANT POWER CHARACTERISTICS (W at 25°C)

Cut-off voltage	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	52.6	33.6	26.9	15.1	9.33	5.15	3.76	3.01	2.57	1.40	0.79
9.90V	51.0	32.6	26.2	14.8	9.19	5.12	3.73	3.00	2.55	1.40	0.79
10.2V	48.9	31.2	25.2	14.3	8.96	5.08	3.71	2.97	2.53	1.39	0.78
10.5V	46.8	29.9	24.4	14.0	8.78	5.00	3.68	2.95	2.52	1.38	0.78
10.8V	44.2	28.2	23.1	13.5	8.51	4.87	3.57	2.87	2.44	1.36	0.76

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