



## NB 3.4 - 12 (12 V, 3.4 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

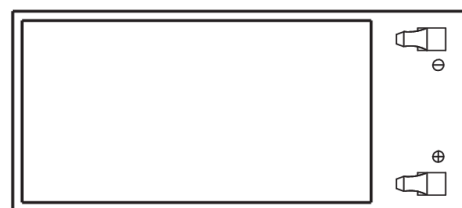
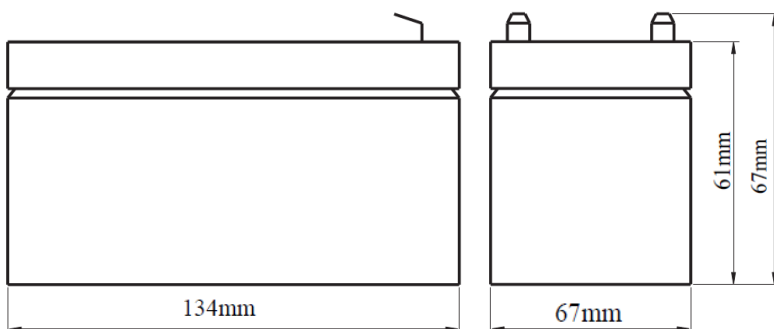
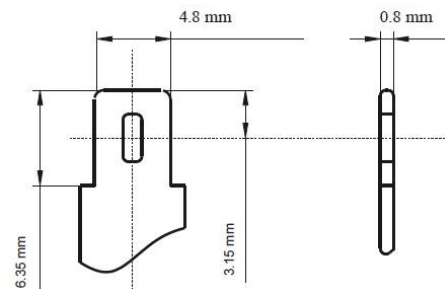
Performance technology	VRLA-AGM
Nominal voltage	12 V
Nominal capacity (20 h/10.5 V, 25°C)	3.40 Ah
Maximum charge current	1,02 A
Maximum discharge current (5 sec)	51 A
Weight	~ 1.20 kg
Internal resistance (25°C)	~ 50 mΩ
Self-discharge drop by 3% of capacity after a month at 25 °C	
Case material	ABS (UL94HB, optional UL94V-0)

### APPLICATION

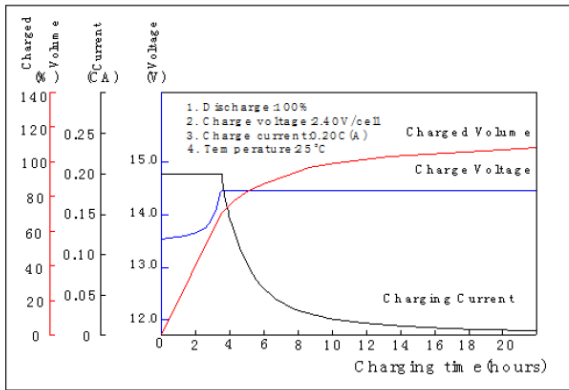
- Alarm systems
- Portable devices
- Cash registers
- Toys
- Communication devices
- Battery back-up

### DIMENSIONS

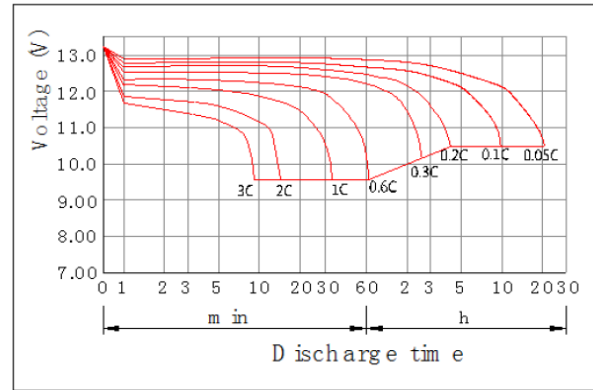
length	134 mm
width	67 mm
height	61 mm
total height	67 mm



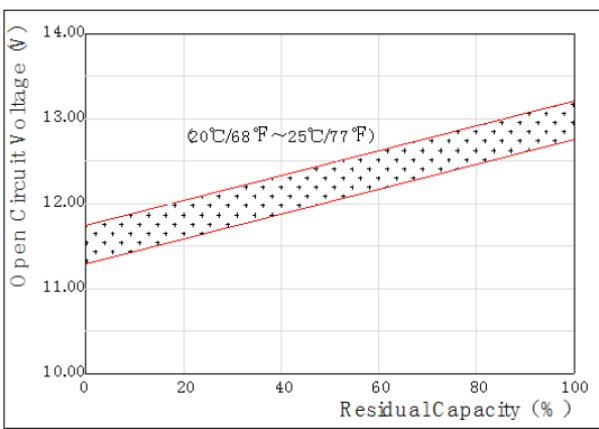
### CHARGE CHARACTERISTICS



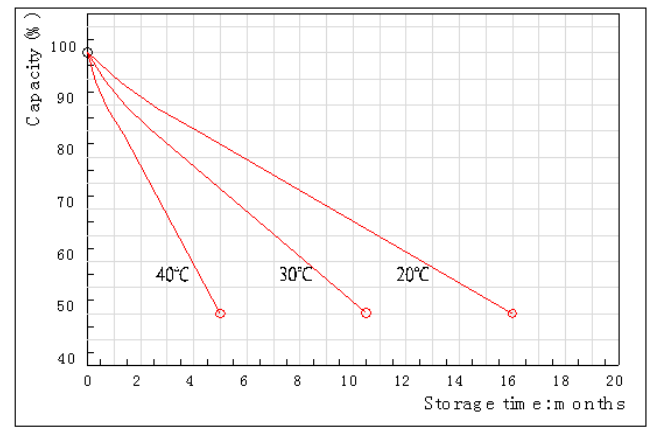
### DISCHARGE CHARACTERISTICS (25°C)



### 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	12.1	7.89	6.22	3.48	2.11	1.17	0.84	0.67	0.57	0.31	0.17
9.90V	12.0	7.62	6.08	3.40	2.06	1.17	0.84	0.67	0.57	0.31	0.17
10.2V	11.3	7.33	5.82	3.30	2.00	1.16	0.83	0.66	0.56	0.31	0.17
10.5V	11.0	7.00	5.61	3.21	1.96	1.14	0.83	0.66	0.56	0.31	0.17
10.8V	10.1	6.58	5.32	3.08	1.91	1.11	0.80	0.64	0.54	0.30	0.16

### CONSTANT POWER CHARACTERISTICS (W at 25°C)

Cut-off voltage	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	138	88.3	71.1	39.4	24.5	13.7	10.0	8.02	6.83	3.74	2.01
9.90V	131	86.1	69.2	38.7	24.0	13.6	9.94	7.97	6.79	3.72	2.00
10.2V	127	82.5	66.8	38.0	23.1	13.5	9.87	7.92	6.75	3.70	1.99
10.5V	121	78.4	64.1	36.9	22.9	13.3	9.80	7.86	6.70	3.68	1.98
10.8V	111	74.5	61.0	35.1	22.1	13.0	9.51	7.62	6.50	3.61	1.94

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