



## NB 5-12 (12 V, 5 Ah)

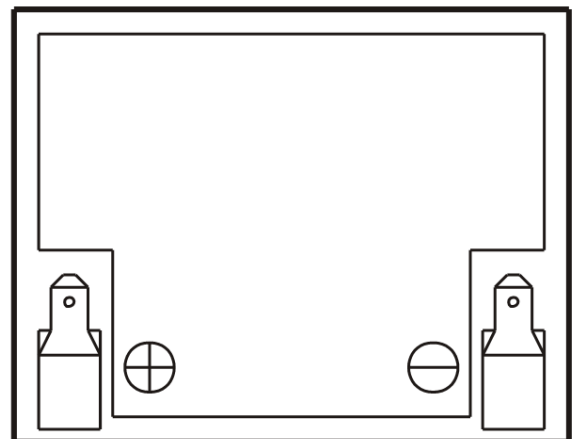
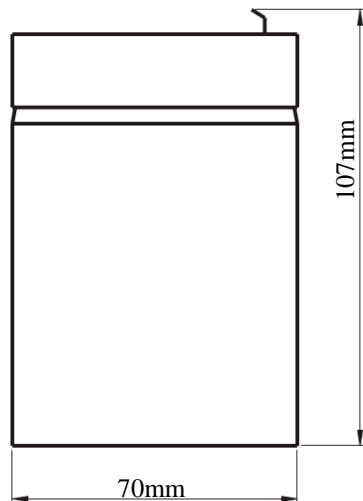
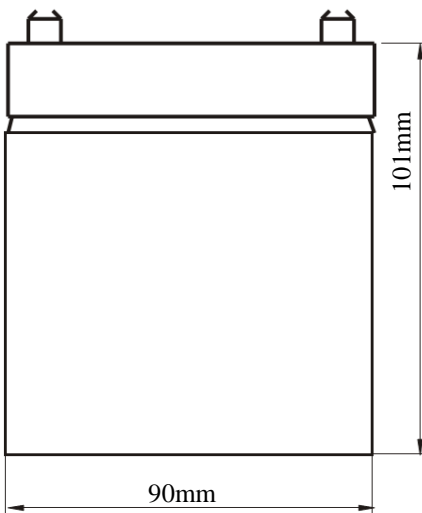
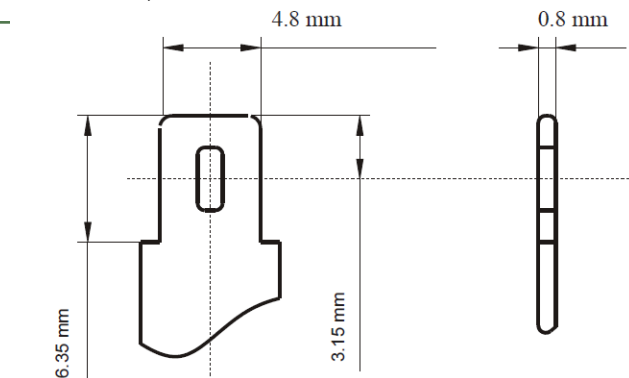
Lead-acid NERBO batteries of NB series in AGM technology are designed for cyclical and buffer work. Nerbo batteries have an optimal price-quality ratio what makes them the best alternative for more expensive solutions. Their durability is designed for 5 years work at 20-25°C.

Performance technology	VRLA-AGM
Nominal voltage	12 V
Nominal capacity (20 h/10.5 V, 25°C)	5Ah
Max charge current	1.58 A
Max discharge current (5sek.)	75 A
Weight	~1.45 kg
Internal resistance (25°C)	~26 mΩ
Self-discharge	Drop of 3% capacity after a month at 25°C
Case material	ABS (UL94HB, optional UL94V-0)

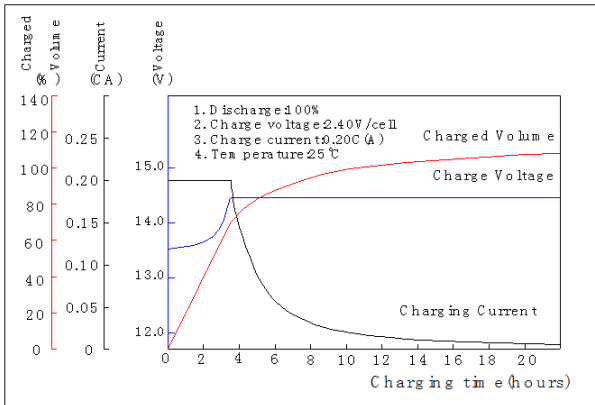
- Application**
- Alarm systems
  - Portable devices
  - Cash registers
  - Toys
  - Communication equipment
  - Battery back-up

**Dimension**

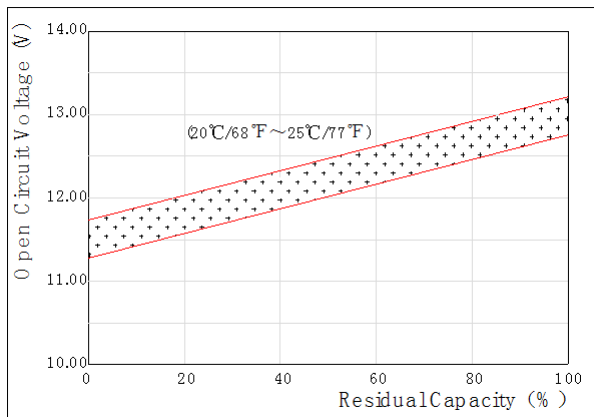
length	90 mm
width	70 mm
height	101 mm
total height	107 mm



### CHARGE CHARACTERISTICS (25°C)



CAPACITY VERSUS VOLTAGE OCV



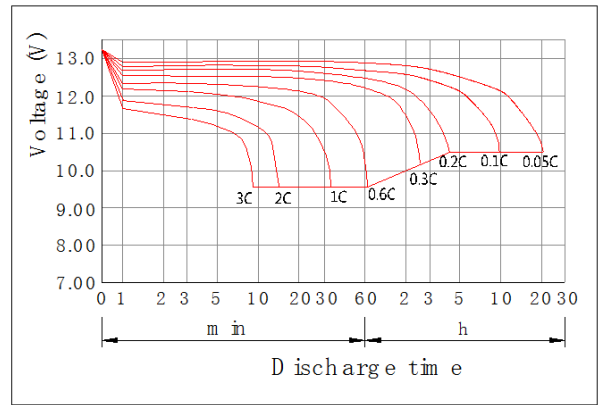
### CONSTANT CURRENT CHARACTERISTICS (A at 25°C)

Cut-off voltage	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	18.5	11.9	9.45	5.24	3.21	1.78	1.28	1.02	0.87	0.47	0.25
9.90V	18.1	11.1	9.22	5.12	3.18	1.77	1.27	1.01	0.86	0.47	0.25
10.2V	17.1	11.0	8.91	5.00	3.10	1.75	1.26	1.01	0.86	0.47	0.25
10.5V	16.2	10.4	8.60	4.88	3.01	1.72	1.25	1.00	0.85	0.47	0.25
10.8V	15.7	9.80	8.13	4.69	2.92	1.68	1.21	0.97	0.82	0.46	0.25

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

Cut-off voltage	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	210	131	101	60.1	37.1	20.8	15.1	12.1	10.4	5.66	3.05
9.90V	200	128	100	59.0	36.2	20.7	15.1	12.1	10.3	5.64	3.03
10.2V	191	121	99.5	57.2	35.4	20.5	15.0	12.0	10.2	5.61	3.02
10.5V	182	115	96.1	55.9	34.8	20.2	14.9	11.9	10.1	5.58	3.00
10.8V	170	109	91.5	53.5	33.1	19.7	14.4	11.6	9.84	5.47	2.94

### DISCHARGE CHARACTERISTICS (25°C)



SELF-DISCHARGE IN TIME

