



## NB 2.3-12 (12 V, 2.3 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 temperature of 20-25°C.

### Characteristics

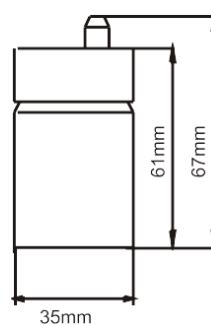
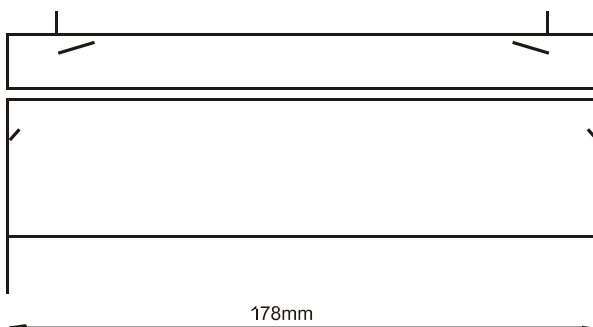
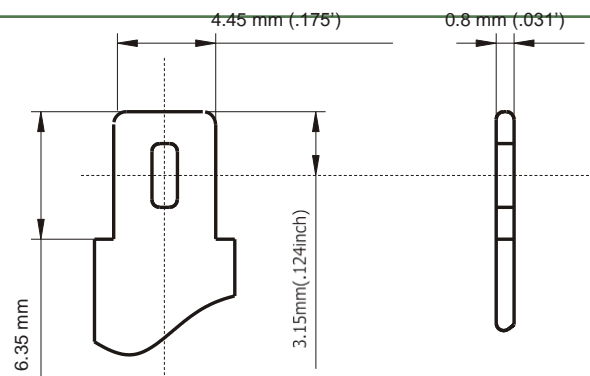
Performance technology	VRLA-AGM
Nominal voltage	12 V
Nominal capacity (20 h/10.5 V, 25°C)	2.30 Ah
Maximum charge current	0.69 A
Maximum discharge current (5 sec)	34,5 A
Weight	~ 0.80 kg
Internal resistance (25°C)	~ 60 mΩ
Self-discharge: drop by 3% of capacity after a month at 25°C	
Case material	ABS (UL94HB, optional UL94V-0)

### Application

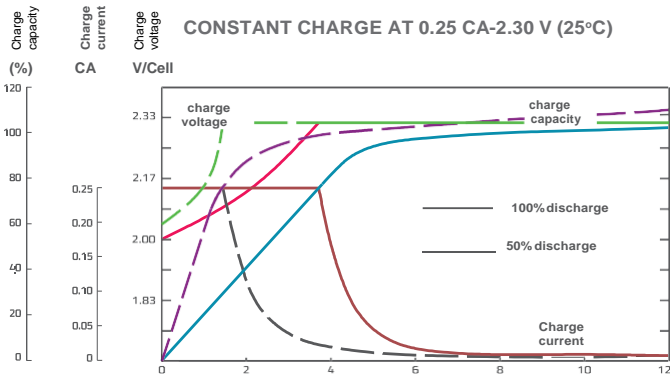
- Alarm systems
- Portable devices
- Cash registers
- toys
- communication equipment
- battery back-up

### Dimensionss

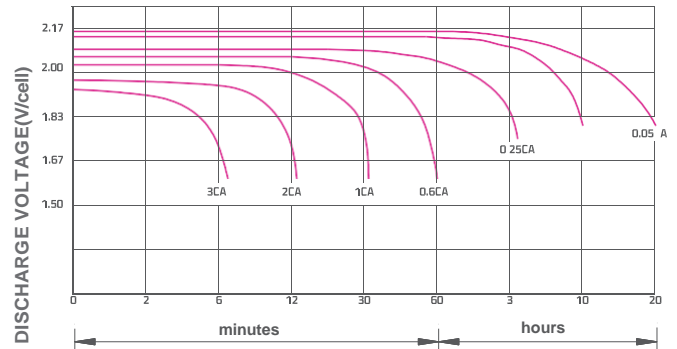
length	178 mm
width	35 mm
height	61 mm
total height	67 mm



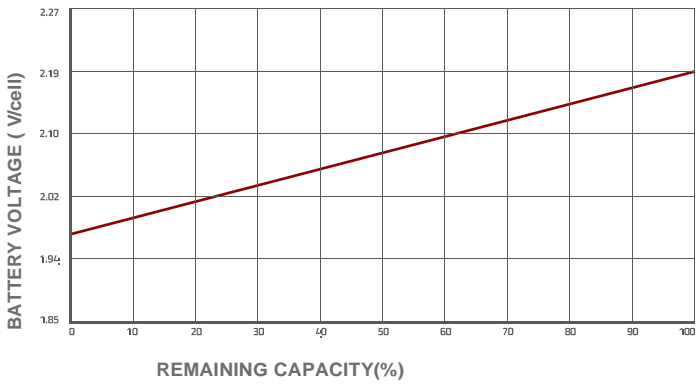
### CHARGE CHARACTERISTICS



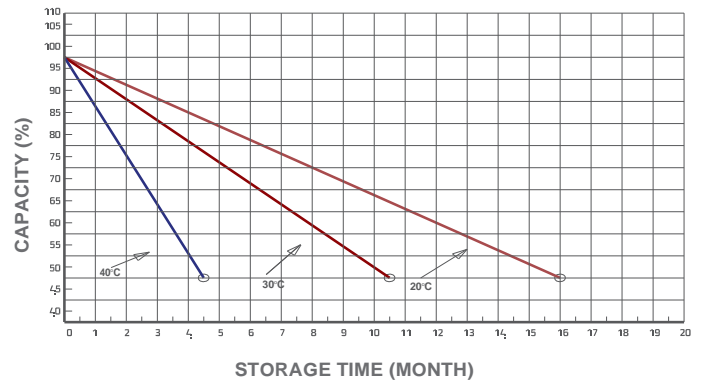
### DISCHARGE CHARACTERISTICS (25°C)



### CAPACITY VERSUS VOLTAGE OCV



### DISCHARGE IN TIME



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

Cut-off voltage /time	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
9.60V	8.74	5.52	4.37	2.44	1.50	0.82	0.59	0.47	0.40
9.90V	8.48	5.35	4.27	2.39	1.47	0.81	0.58	0.47	0.40
10.2V	8.13	5.13	4.11	2.32	1.44	0.81	0.58	0.46	0.39
10.5V	7.78	4.91	3.97	2.26	1.41	0.79	0.58	0.46	0.39
10.8V	7.34	4.64	3.76	2.18	1.36	0.77	0.56	0.45	0.38
9.60V	8.74	5.52	4.37	2.44	1.50	0.82	0.59	0.47	0.40

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

Cut-off voltage /time	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
9.60V	97.5	62.3	49.8	27.9	17.3	9.56	6.97	5.59	4.76
9.90V	94.6	60.4	48.6	27.4	17.1	9.50	6.93	5.56	4.73
10.2V	90.7	57.9	46.8	26.5	16.6	9.42	6.88	5.52	4.70
10.5V	86.8	55.4	45.2	25.9	16.3	9.28	6.83	5.48	4.67
10.8V	81.9	52.3	42.8	24.9	15.8	9.04	6.63	5.31	4.53
9.60V	97.5	62.3	49.8	27.9	17.3	9.56	6.97	5.59	4.76