



# NB12-55

/12V55AH/NB/



NB12-55 is a rechargeable, maintenance free, non-spillable battery of high-efficiency design. It can be stored for up to 6 months at 25°C (77°F), after which a recharge is recommended before use. With a self-discharge rate of less than 3% of capacity per month, the NB12-55 has an expected life of up to 5 years in standby use.

## Specifications

Nominal Voltage	12 V
Nominal Capacity	55 AH @ 20hr-rate to 1.75V/cell at 25°C (77°F)
Weight	Approx. 17.0 kg (37.5 lbs)
Max. Discharge Current	660 A (5sec)
Internal Resistance (1KHz)	≤ 7.5 mΩ
Operating Temperature Range	Charge -20°C(-4°F) to 50°C(122°F) Discharge -20°C(-4°F) to 50°C(122°F) Storage -20°C(-4°F) to 40°C(104°F)
Terminal Type	NB or IT
Container Material	ABS (Optional UL94-HB & UL94-V0)

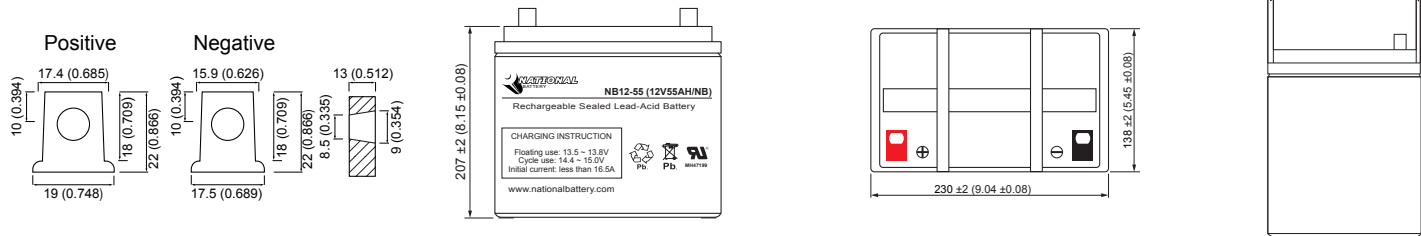
## Applications

- UPS
- Emergency Light
- Alarm & Security
- Mobility
- All Purpose



## Dimensions (mm/inch)

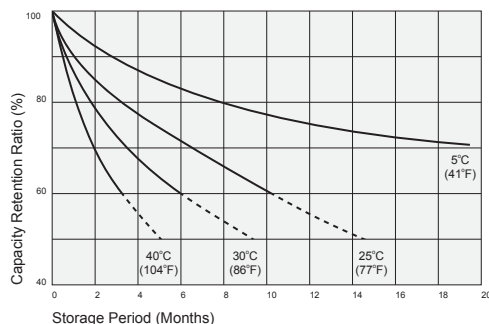
NB Terminal	Length	Width	Height	Total Height
Nut and Bolt	230 ±2 / 9.04 ±0.08	138 ±2 / 5.45 ±0.08	207 ±2 / 8.15 ±0.08	228 ±2 / 8.98 ±0.08



## Constant Current (A) and Constant Power (W) Discharge at 25°C (77°F)

F.V. (V/cell)	Discharge Time	5min	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	A	190.8	132.7	100.8	59.4	33.6	20.7	15.8	10.3	6.82	5.79	3.00
	W	316.3	225.5	176.5	108.3	63.1	39.2	30.2	19.9	13.3	11.4	5.90
1.65V	A	173.0	122.2	94.30	56.3	32.4	20.0	15.3	9.98	6.75	5.73	2.98
	W	293.6	212.6	167.8	103.3	61.2	38.1	29.4	19.3	13.2	11.3	5.58
1.70V	A	156.9	113.3	88.70	53.3	31.3	19.4	14.7	9.71	6.65	5.61	2.94
	W	270.0	198.8	159.0	98.70	59.7	37.3	28.4	18.9	13.0	11.1	5.81
1.75V	A	142.5	103.9	83.10	51.3	30.4	18.7	14.3	9.46	6.56	5.56	2.89
	W	252.2	186.6	151.0	95.40	58.0	35.9	27.6	18.4	12.9	11.0	5.70
1.80V	A	126.4	94.60	76.00	49.4	29.0	18.0	14.1	9.32	6.45	5.50	2.86
	W	228.6	172.6	140.0	92.70	55.7	34.8	27.2	18.0	12.7	10.9	5.66
1.85V	A	94.10	74.00	62.90	41.8	25.9	16.5	13.1	8.60	6.08	5.19	2.83
	W	172.1	136.7	117.4	79.70	50.0	32.1	25.5	16.9	12.0	10.3	5.61

## Capacity Retention Characteristics



## Cycle Service Life

