

## Sealed Rechargeable Lead-Acid Batteries

# PNB 121500

(12V, 150.0Ah/10hr rate)

## Specifications

Nominal Voltage : 12 Volts

Nominal Capacity (Rated capacity, Ah)

10hr rate of 15.0A to 10.80V 150Ah

5hr rate of 27.3A to 10.20V 137Ah

1hr rate of 99.0A to 9.60V 99.0Ah

Capacity affected by temperature

30°C (86°F) : 105%

25°C (77°F) : 103%

10°C (50°F) : 95%

-10°C (14°F) : 78%

Internal resistance (25°C, 77°F, full charge)

Approx. 2.5 mΩ (milliohms)

Maximum discharge current

1200A (5sec)

Self-discharge (25°C, 77°F)

After 1 month 3%

After 3 month 8%

After 6 month 15%

Weight(approx.) : 50.0kg (110 lbs)

Weight efficiency (10hr rate)

36.0 WH / kg

Volume efficiency (10hr rate)

61.5 WH / Liter

Max. short-duration discharge current

2700 Amperes

Housing material

Container/cover made from ABS resin or

Optional Flame retardant

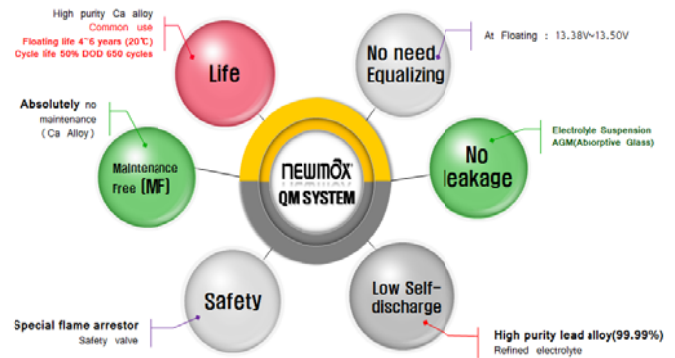
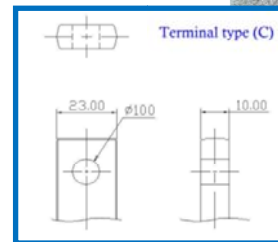
(UL94-Vo / L.O.I over 29)

Electrolyte : Electrolyte Suspension (AGM separator)

Hardware : 3/8" \* L25(30) Bolt/Nuts

### Constant Current Discharge Table (Amperes)

V/cell	Minutes											Hours									
	1	2	3	4	5	10	15	20	30	40	50	1	2	3	4	5	6	7	8	10	20
1.90V	309	296	282	250	244	202	159	112	94.4	75.4	61.9	55.7	33.9	24.9	19.8	16.0	13.7	12.0	11.2	8.97	4.93
1.85V	487	450	429	381	370	308	242	170	144	115	94.0	84.7	51.5	37.9	30.0	24.2	20.9	18.3	17.0	13.6	7.50
1.80V	536	495	471	419	407	338	266	188	158	126	103	93.2	56.6	41.7	33.0	26.8	23.0	20.1	18.7	15.0	8.25
1.75V	552	512	475	433	419	350	274	192	162	128	105	94.3	57.7	42.0	33.2	27.0	23.1	20.2	18.8	15.2	8.37
1.70V	570	530	479	449	431	363	281	197	167	129	107	95.5	58.8	42.3	33.4	27.3	23.3	20.4	18.9	15.4	8.50
1.65V	755	669	591	487	460	421	327	210	152	141	117	97.1	61.2	45.5	37.5	29.1	25.3	22.0	20.3	16.1	8.72
1.60V	888	787	675	530	479	437	354	224	179	149	125	99.0	62.5	46.9	39.5	30.2	26.3	22.9	20.5	16.3	8.83



### Constant voltage charge

Stand-by use : Voltage 13.38 ~ 13.50V (25°C)

Max. current No limit

Cyclic use : Voltage 14.40 ~ 15.00V (25°C)

Max. current 60.0 Amperes

### Life expectancy

Stand-by use 5 ~ 7 years (25°C)

Cyclic use 100% DOD 270 cycle

50% DOD 650 cycle

30% DOD 1300 cycle

### Dimension (mm)

L 500 W 260 H 196 TH 225