

SEALED RECHARGEABLE LEAD-ACID BATTERY

PNB 122000

(12V, 200.0Ah/10hr rate)

Specifications

Nominal Voltage: 12 Volts

Nominal Capacity (Rated capacity, Ah)

10hr rate of 20.0A to 10.80V 200Ah

5hr rate of 36.4A to 10.20V 182Ah

1hr rate of 132A to 9.60V 132Ah

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. 2.05 mΩ (milliohms)

Maximum discharge current

1600A (5sec)

Self-discharge (25°C, 77°F)

After 1 month 3%

After 3 month 8%

After 6 month 15%

Weight(approx.) : 61.0kg (135 lbs)

Weight efficiency (10hr rate)

39.3 WH / kg

Volume efficiency (10hr rate)

82.1 WH / Liter

Max. short-duration discharge current

4000 A (0.1sec)

Housing material

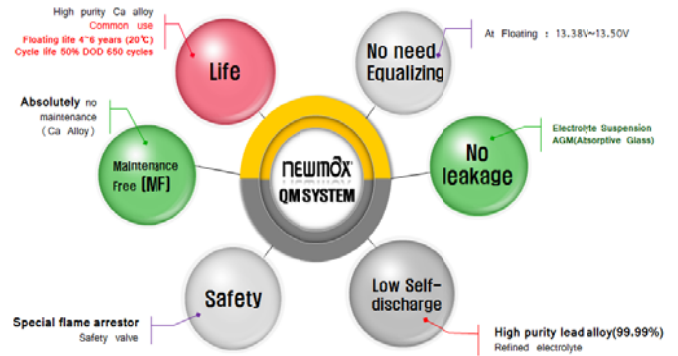
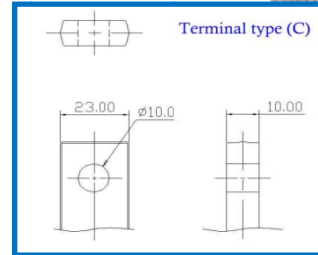
Container/cover made from ABS resin or

Optional Flame retardant

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

Electrolyte : Electrolyte Suspension(AGM separator)

Hardware : 3/8**L30 Bolt/Nut



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 80.0 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

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	411	394	376	334	325	270	212	150	126	101	82	74.3	45.1	33.2	26.3	21.4	18.3	16.0	14.9	12.0	6.58
1.85V	649	600	571	508	494	410	323	227	191	153	125	113	68.6	50.5	40.0	32.3	27.9	24.4	22.7	18.2	10.0
1.80V	714	660	629	558	543	451	355	250	211	168	138	124	75.5	55.6	44.1	35.7	30.6	26.8	24.9	20.0	11.0
1.75V	736	682	634	578	558	467	365	256	216	170	140	126	76.9	55.9	44.3	36.0	30.9	27.0	25.1	20.2	11.2
1.70V	760	706	639	598	574	484	375	263	222	172	143	127	78.4	56.3	44.5	36.4	31.1	27.1	25.2	20.5	11.3
1.65V	1006	892	788	650	613	562	435	281	203	189	156	129	81.7	60.6	50.0	38.8	33.8	29.3	27.1	21.5	11.6
1.60V	1183	1050	900	706	639	583	473	299	238	198	167	132	83.3	62.5	52.6	40.2	35.0	30.5	27.4	21.7	11.8