

Sealed Rechargeable Lead-Acid Batteries

PNB 12700

(12V, 70.0Ah/10hr rate)

Specifications

Nominal Voltage : 12Volts

Nominal Capacity (Rated capacity, Ah)

10hr rate of 7.00A to 10.50V 70.00Ah
5hr rate of 12.7A to 10.20V 63.70Ah
1hr rate of 46.2A to 9.60V 46.20Ah

Capacity affected by temperature

30□ (86F) : 105%
25□ (77F) : 103%
10□ (50F) : 95%
-10□ (14F) : 78%

Internal resistance (25C, 77F full charge)

Approx. less than 4.5 mΩ (milliohms)

Maximum discharge current

280A (Continuous discharge)

Self-discharge (20C, 68F)

After 1 month 5%
After 3 month 10%
After 6 month 15%

Weight(approx.) : 23.7 kg (52.31 lbs)

Weight efficiency(10hr rate)

35.4 WH / kg

Volume efficiency (10hr rate)

82.6 WH / Liter

Max. short-duration discharge current

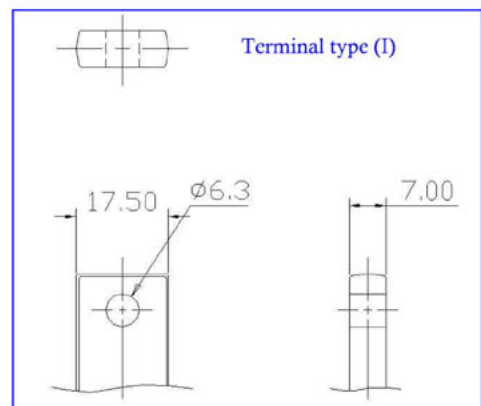
1260 Amperes

Housing material

Container/cover made from ABS resin or
Optional Flame retardant
(UL94-Vo / L.O.I over 29)

Electrolyte : Normal liquid type (AGM separator)

Hardware : M6xL15 mm Bolt/Nut



Constant voltage charge

Stand-by use : Voltage 13.50 ~ 13.80V (20□)

Max. current No limit

Cyclic use : Voltage 14.40 ~ 15.00V (20□)

Max.current 28.00 Amperes

Life expectancy

Cyclic use 100% DOD 260 cycle
50% DOD 600 cycle
30% DOD 1200 cycle

Dimensions (mm)

L 350 W 166 H 175 TH 175

Constant Current Discharge Table (Amperes)

V/cell	1'	5'	10'	20'	30'	40'	50'	1h	2h	3h	5h	8h	10h	20h
1.90	124	94.9	74.7	54.9	42.4	32.6	28.0	20.7	15.1	11.2	7.47	5.09	4.00	2.43
1.85	157	117	91.7	64.1	49.7	39.2	33.1	25.9	17.0	12.4	8.52	5.96	4.59	2.71
1.80	206	149	107	70.2	54.2	44.2	37.3	31.4	18.6	13.6	9.04	6.09	4.97	2.84
1.75	225	161	110	72.3	55.5	45.5	38.5	33.1	19.6	14.2	9.47	6.34	5.19	2.92
1.70	248	175	115	74.6	56.8	47.0	39.8	35.1	20.6	14.9	9.94	6.63	5.42	3.01
1.65	277	184	119	76.5	58.2	48.3	41.4	36.4	20.9	15.1	10.1	6.78	5.68	3.06
1.60	314	192	124	78.5	59.6	49.7	42.6	37.8	21.3	15.3	10.3	6.93	5.96	3.11