NRG POWER

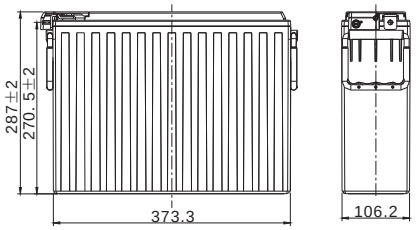
## PL N 100 FT

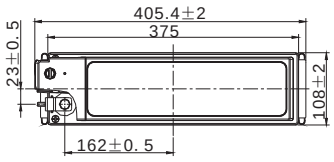
**PL N 100 FT is a Pure Lead, Long standby battery with excellent performance for applications in telecommunications & UPS. It offers long standby life, high rate performance, low internal resistance and high energy density. It is flame retardant to UL94-V0 and the design is according IEC 60896-21/22:2004**

| Physical Charactiristics | | Technical Characteristics | |
|---|---|---|---|
| **Nominal Voltage** | 12V | **Internal Resistance** | Approx. 4,5 mΩ |
| **Nominal Capacity (10hrs)** | 100Ah at 180V/cell | **Capacity affected by temperature** | 40C 103%<br>25C 100%<br>0C 86% |
| **Dimension LxWxH** | 405,4x 108 x 287 +/-2mm | | |
| **Weight** | Approx 30,8 kg | **Max Discharge Current** | 1200A (5sec) |
| **Standard Terminal** | T11/ M6 | | |

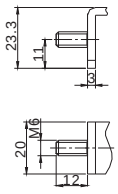
## Dimensions

Unit: mm




**Terminal: M6**




**Container Material : A.B.S. UL94-HB**

## Constant Current & Power Discharge Characteristics: Amperes (25C) / Watts/cell (25C)

| Time / Final Voltage | | 10min | 15min | 20min | 30min | 45min | 1Hr | 2Hr | 3Hr | 4Hr | 5Hr | 8Hr | 10Hr | 20Hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,85V/cell | A | 193.6 | 161.5 | 138.4 | 110.2 | 82.6 | 60.7 | 39.2 | 27.8 | 22.3 | 18.0 | 11.9 | 9.91 | 5.12 |
| 1,80V/cell | A | 217.5 | 180.7 | 149.8 | 115.5 | 87.3 | 63.3 | 40.7 | 29.0 | 22.6 | 18.2 | 12.2 | 10.0 | 5.24 |
| 1,75V/cell | A | 236.7 | 190.4 | 160.2 | 123.1 | 91.3 | 65.7 | 41.9 | 29.7 | 23.2 | 18.4 | 12.5 | 10.2 | 5.30 |
| 1,70V/cell | A | 252.7 | 201.4 | 168.7 | 128.0 | 94.6 | 67.4 | 42.7 | 30.2 | 23.5 | 18.6 | 12.6 | 10.4 | 5.38 |
| 1,67V/cell | A | 269.3 | 209.6 | 172.9 | 132.5 | 96.0 | 69.2 | 43.2 | 30.8 | 23.7 | 19.1 | 12.8 | 10.8 | 5.42 |
| 1,60V/cell | A | 284.4 | 219.3 | 179.5 | 133.8 | 97.9 | 70.4 | 43.5 | 31.2 | 23.9 | 19.4 | 13.0 | 11.0 | 5.51 |
| 1,85V/cell | W | 367.6 | 304.7 | 265.2 | 217.1 | 160.6 | 120.9 | 75.8 | 53.9 | 45.4 | 37.3 | 24.7 | 20.0 | 10.4 |
| 1,80V/cell | W | 408.2 | 337.0 | 282.7 | 227.7 | 166.9 | 125.6 | 78.9 | 57.3 | 47.0 | 38.4 | 25.2 | 20.3 | 10.7 |
| 1,75V/cell | W | 437.9 | 351.9 | 293.1 | 232.4 | 169.7 | 127.3 | 80.8 | 58.6 | 47.9 | 38.8 | 25.9 | 20.4 | 10.8 |
| 1,70V/cell | W | 466.4 | 367.5 | 304.7 | 239.2 | 172.9 | 128.8 | 81.9 | 59.3 | 48.4 | 39.3 | 26.1 | 20.6 | 10.9 |
| 1,67V/cell | W | 480.3 | 384.7 | 316.0 | 243.1 | 177.8 | 134.3 | 83.7 | 60.9 | 49.3 | 39.8 | 26.5 | 21.3 | 10.9 |
| 1,60V/cell | W | 504.1 | 393.7 | 324.1 | 248.2 | 181.3 | 136.0 | 85.4 | 61.6 | 50.0 | 40.3 | 26.7 | 21.5 | 11.0 |

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