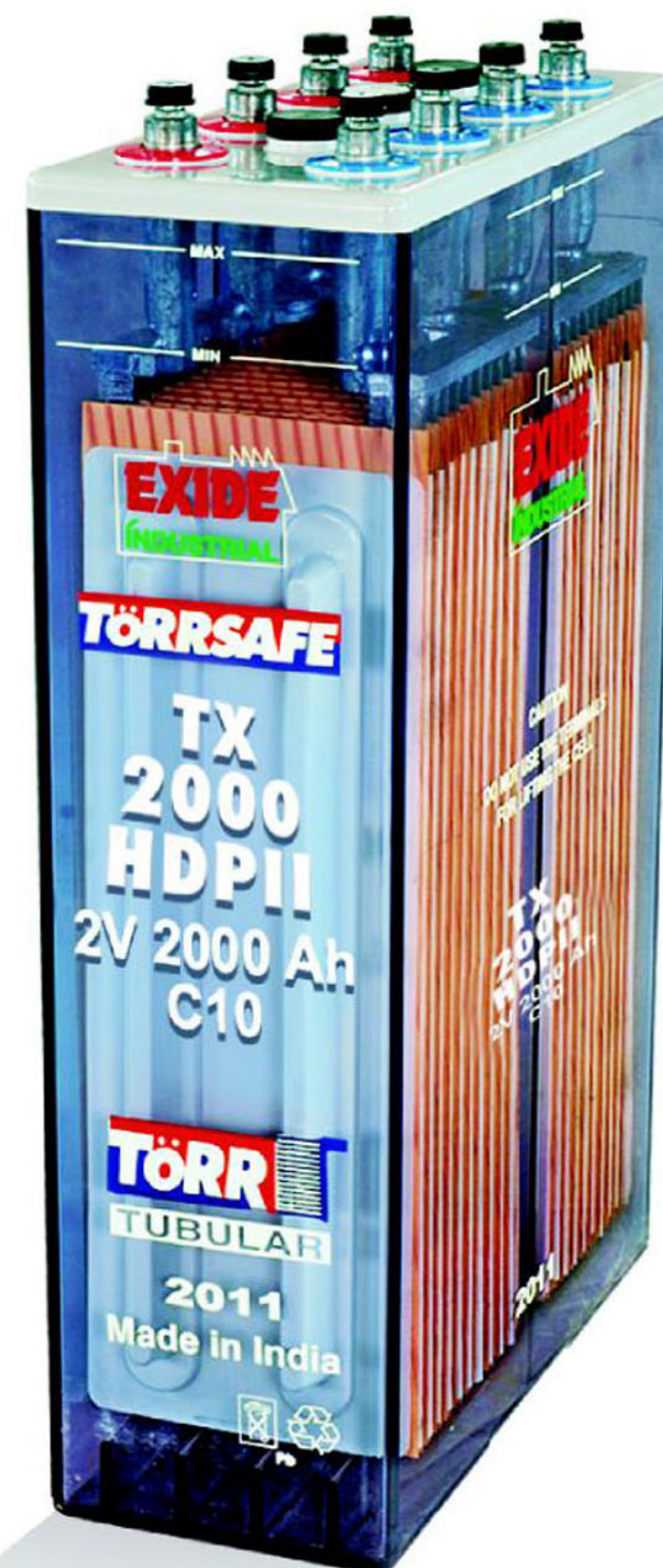




# TX HDPII

HIGH DISCHARGE TUBULAR BATTERIES  
IN TRANSPARENT CONTAINERS



**EXIDE  
INDUSTRIAL**

Exide Industries Ltd. is the largest storage battery manufacturer in the country and has pioneered battery technology in India for over 60 years. Exide offers the latest series of stationary high discharge Tubular batteries in Transparent SAN containers for critical standby applications. The cells are designed to conform IS1651.



### Superior Design & Construction

#### 1. Transparent Container :

Containers are made of high quality transparent SAN, which enables quick and easy reading of the electrolyte level and visual inspection of the cell.

#### 2. Torr Tubular :

Exide TX HDPII Range Batteries have the spines or the positive plate supports cast at 100 bar high pressure in world renowned Hadi machine. This ensures void free structure and uniform grain orientation. High pressure die-casting also enables production of positive spines with less

than 3% antimony alloy. Low antimony alloy in positive plate coupled with lead - calcium alloy in negative plate reduces water loss considerably in TX HDPII Range cells making it a true Low Maintenance battery. Topping up frequency is only once in 12 - 18 months.

#### 3. Special separator :

Micro-porous and resin based separators with polyester matback bone have high porosity, low electrical resistance and high temperature stability. Its smaller average pore diameter prevents penetration short.

#### 4. Plastic encapsulated bolt-on terminals :

The corrosion-resistant bolt-on terminals with brass inserts provide better electrical performance and resistance to wear and tear of terminals.

#### 5. Vent Plugs :

Vent plugs are specially designed with ceramic dome, which filters the sprayed acid and is fire retardant.

#### 6. Insulated intercell connectors :

The intercell connector offers better conductivity. The insulation protects the connector from acid attack and eliminates accidental shorts.

**Features :** ✓Easy monitoring ✓Suitable for frequent discharges and high ambient temperature  
 ✓Minimum maintenance ✓Lower foot print ✓15 years life in Standby float application

### Technical Data for Exide TX HDPII Cells

| Nomenclature | Capacity at C10 rate upto 1.85 vpc | Charging Current  |                    | Total Minimum Input during Initial Charging (Ah) | Weight +/-5% (kg) |             | Approx. Qty. of acid 1.190 sp gr (Litres) | Overall Dimension |           |           | Cell Centre (mm) | Trickle Charge Current |          |
|--------------|------------------------------------|-------------------|--------------------|--|-------------------|-------------|---|-------------------|-----------|-----------|------------------|------------------------|----------|
|              |                                    | Starting Rate (A) | Finishing Rate (A) |  | Dry               | Acid Filled |   | L +/-3 mm         | B +/-3 mm | H +/-5 mm |                  | Min (mA)               | Max (mA) |
| TX100P-HDP   | 100                                | 14                | 7                  | 630  | 10.6              | 15.4        | 4.0                                       | 103               | 206       | 430       | 112              | 100                    | 400      |
| TX250P-HDP   | 250                                | 35                | 17.5               | 1575   | 20.8              | 27.3        | 5.5                                       | 145               | 206       | 546       | 153              | 250                    | 1000     |
| TX300P-HDP   | 300                                | 42                | 21                 | 1890   | 25.0              | 33.3        | 7.0                                       | 145               | 206       | 546       | 153              | 300                    | 1200     |
| TX400P-HDP   | 400                                | 56                | 28                 | 2520   | 35.4              | 49.1        | 11.5                                      | 145               | 206       | 721       | 153              | 400                    | 1600     |
| TX500P-HDP   | 500                                | 70                | 35                 | 3150   | 38.3              | 50.7        | 10.4                                      | 145               | 206       | 721       | 153              | 500                    | 2000     |
| TX700P-HDP   | 700                                | 98                | 49                 | 4410   | 53.9              | 76.5        | 19.0                                      | 210               | 233       | 721       | 220              | 700                    | 2800     |
| TX800P-HDP   | 800                                | 112               | 56                 | 5040   | 58.5              | 78.7        | 17.0                                      | 210               | 233       | 721       | 220              | 800                    | 3200     |
| TX1000P-HDP  | 1000                               | 140               | 70                 | 6300   | 77.2              | 103.4       | 22.0                                      | 210               | 275       | 871       | 220              | 1000                   | 4000     |
| TX1200P-HDP  | 1200                               | 168               | 84                 | 7560   | 93.0              | 123.9       | 26.0                                      | 210               | 275       | 871       | 220              | 1200                   | 4800     |
| TX1300P-HDP  | 1300                               | 182               | 91                 | 8190   | 102.5             | 135.8       | 28.0                                      | 214               | 399       | 847       | 220              | 1300                   | 5200     |
| TX1500P-HDP  | 1500                               | 210               | 105                | 9450   | 117.2             | 154.1       | 31.0                                      | 214               | 399       | 847       | 220              | 1500                   | 6000     |
| TX2000P-HDP  | 2000                               | 280               | 140                | 12600  | 158.5             | 196.6       | 32.0                                      | 212               | 487       | 847       | 220              | 2000                   | 8000     |
| TX2200P-HDP  | 2200                               | 308               | 154                | 13860  | 170.0             | 239.5       | 58.4                                      | 212               | 576       | 847       | 220              | 2200                   | 8800     |

\* Overall height upto top of ceramic vent plug.

#### Recommended float voltage

| Temperature | Float Voltage   |
|-------------|-----------------|
| <5°C        | 2.24 ± 0.02 vpc |
| 5°C - 35°C  | 2.23 ± 0.02 vpc |
| 36°C - 45°C | 2.22 ± 0.02 vpc |

Go For **TORR TUBULAR**®  
 • Spines cast in HADI machine at 100 Bar  
 • Higher reliability, longer life



\*Applied for

**Head Office :** Exide House, 59E, Chowringhee Road, Kolkata-700 020, Ph. : (033) 2283 2120/33/36/50/51/71/2238/39, Fax : (033) 2283 2632/37, **Corporate Marketing Office :** 6A Hatibagan Road, Entally, Kolkata - 700014, Ph. : (033) 2286 6158/6159, Fax : (033) 2286 6186, **Factory : Shammagar :** Ph. : (033) 2581 2146/47/48/49/7342/7343, Fax : (033) 2581 3930, **Haldia :** (03224) 252140/145/296/253, Fax : (03224) 252145, **R&D Centre :** Ph. : (033) 2500 5458/5225/5660, **Central Service :** Ph. : (033) 2580 0113, Fax : (033) 2581 3930, **Ahmedabad :** (079) 6510 8207/06/05, **Bangalore :** (080) 40810800, 40810813, 40810809, **Baroda :** (0265) 2354240, **Chandigarh :** (0172) 265 4387/4553/7409 **Chennai :** (044) 2250 0726/1226/1216, **Coimbatore :** (0422) 211737/1846, **Delhi :** (011) 2362 7095/96/97/98, **Guwahati :** (0361) 220 500/119/486, **Hyderabad :** (040) 6569 6623/33, **Indore :** (0731) 6542293, **Jamshedpur :** (0657) 229 3022/0785, **Kochi :** (0484) 4149351/352, **Kolkata :** (033) 2284 3137/3169, **Lucknow :** (0522) 404 1895/1896/1899, **Mumbai :** (022) 2646 5283/84/5041, **Nagpur :** (0712) 253 9972/9973, **Pune :** (020) 323 04041-45.

This Catalogue is issued to provide outline information only and is not deemed to form part of an offer or contract. Our policy is one of continued improvement and we reserve the right to change details without prior notice. Visit us at <http://www.exide4u.com>