

# EXIDE

## **EL PLUS**

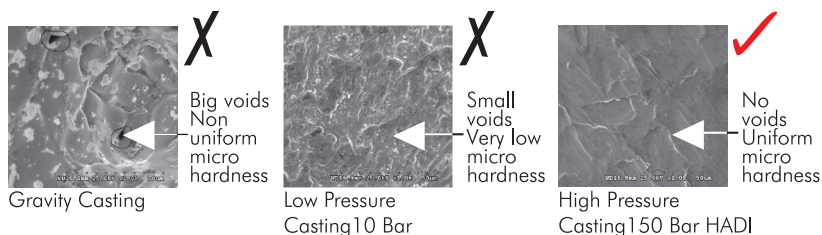
**PREMIUM TUBULAR**



**5**  
**year**  
warranty



**The Ultimate  
UPS Battery**



The new EL+ range are manufactured as per Exide's proprietary Törr Tubular technology using one of the world's most exclusive, advanced and state-of-the-art 'HADI' high pressure spine casting (at 100 bar) machines, which is not commonly available. With our hi-tech R&D center at Kolkata, Exide has developed the high-corrosion resistant and robust spine technology using the HADI process, which ensures a super fine grain structure, for strength, long life and highest reliability. It is also cadmium free.

## Applications

• UPS System • Telecommunication Systems • Office Automation Equipment • Fire Alarm & Security Systems • Electronic PABX Systems • Cable Television Equipment • Electronic Attendance & Cash Registers • Process Instrumentation & Control • Railway Signalling • Power Plants & Substations • Cellular Phones (Base Stations & Transmitters) • Geophysical Equipment • PCO Monitors (Electronic)

## EXIDE EL+ RANGE OF TUBULAR MONOBLOC BATTERIES

| 5 YEARS WARRANTY PRODUCT |                                    |                  |                                         |                                           |                       |                            |                                  |                                 |     |     |                                           |                             |     |
|--------------------------|------------------------------------|------------------|-----------------------------------------|-------------------------------------------|-----------------------|----------------------------|----------------------------------|---------------------------------|-----|-----|-------------------------------------------|-----------------------------|-----|
| Battery Type             | Nominal Monoblock unit Voltage (V) | Capacity (AH)    |                                         | Charging Current for Initial Charging Amp |                       | Filled Battery Weight (KG) | Approx. Acid Qty. @1,240 Sp. Gr. | Maximum Overall Dimensions (MM) |     |     | Constant Potential limiting Current (Amp) | Trickle Charge Current (mA) |     |
|                          |                                    | 10HR 1.75V /Cell | 10HR 1.80V/Cell (Confirms to BIS 13369) | Starting 2.35V/- Cell                     | Finishing 2.75 V/Cell | ±5%                        | Litre/Battery                    | L                               | W   | H   |                                           | Min                         | Max |
| 6EL40+                   | 12V                                | 40               | 38                                      | 5.0                                       | 2.5                   | 28.60                      | 10.08                            | 408                             | 174 | 281 | 10.00                                     | 40                          | 160 |
| 6EL50+                   | 12V                                | 50               | 47                                      | 6.0                                       | 3.0                   | 30.80                      | 8.87                             | 408                             | 174 | 281 | 12.50                                     | 50                          | 200 |
| 6EL66+                   | 12V                                | 66               | 63                                      | 8.0                                       | 4.0                   | 43.12                      | 15.33                            | 531                             | 220 | 281 | 16.50                                     | 70                          | 280 |
| 6EL80+                   | 12V                                | 80               | 76                                      | 9.6                                       | 5.0                   | 46.80                      | 15.56                            | 531                             | 220 | 281 | 20.00                                     | 80                          | 320 |
| 6EL100+                  | 12V                                | 100              | 95                                      | 12.0                                      | 6.0                   | 55.20                      | 22.17                            | 500                             | 187 | 421 | 25.00                                     | 100                         | 400 |
| 6EL130+                  | 12V                                | 130              | 123                                     | 16.0                                      | 8.0                   | 65.50                      | 20.64                            | 500                             | 187 | 421 | 32.50                                     | 130                         | 520 |
| 6EL150+                  | 12V                                | 150              | 142                                     | 18.0                                      | 9.0                   | 71.70                      | 20.60                            | 500                             | 187 | 421 | 37.50                                     | 150                         | 600 |
| 6EL180+                  | 12V                                | 180              | 171                                     | 22.0                                      | 11.0                  | 72.40                      | 22.00                            | 500                             | 187 | 421 | 45.00                                     | 180                         | 720 |

### Operational Settings :

For constant potential charging - Boost Voltage (max) : 2.40 Volts per cell, Float Voltage: 2.25 Volts per cell  
Limit charging current (A) : 10-20% of C<sub>10</sub> capacity

### Equalizing Charge :

An equalizing charge is a special charge given when non-uniformity in voltage/Sp. Gr. has developed between batteries. It is given to restore all batteries to a fully charged condition. Equalize charge should be done in every 6 months at the rate 3 to 4% constant current of C<sub>10</sub> capacity upto TOC voltage (@2.65 vpc) for 6 hours.

### Statutory Notice:

All batteries contain lead, which is harmful for humans and environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centres.

### The benefits derived are as follows:

1. The designed float life of Exide EL+ extends well beyond 5 years and on an average 8 – 10 years for EL+ Range.
2. The cyclic life of EL+ is also very high to the tune of 1500 cycles at 80% depth of discharge.
3. The low antimony content of the spines ensures a very low self discharge loss of the order of 1% of the 10 hour rate capacity per week at 25°C.
4. The combination of low antimony alloy and ceramic vent plug keeps the water addition requirement very low. A topping up frequency of once in 6-9 months can easily be achieved in normal operating conditions.

# EXIDE

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