

# SOLAR TUBULAR BATTERIES



Lento uses premium technology and high grade materials in these lead acid tubular batteries to deliver maximum power for extended durations and have an appreciably longer life span. These batteries are specifically suitable for powering up UPS and inverters.

Lento flooded lead acid batteries are environment-friendly, highly reliable in performance and are low in cost. Here again our extensive research and development wing has helped us create batteries customized to suit Indian operating conditions. These flooded batteries are perfect for use in battery powered vehicles and to power inverters as well as for telecom use.



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## TECHNICAL SPECIFICATION OF SOLAR TUBULAR BATTERIES

| Model      | Capacity at 27 deg C When discharged at (C20 upto 1.75 VpC 1.280) | Dimension (±3MM) |       |        | Weight (Kg±5%) |        | Volume of Electrolyte (1.220 Sp. Gr) | Initial Charge Minimum AH Input (AH) | Initial Charge at Constant Current (A) |                        | Constant Potential Limiting Current (Amps) | Trickle Charge Current in (mA) |      |
|------------|---|------------------|-------|--------|----------------|--------|--------------------------------------|--------------------------------------|--|------------------------|--|--------------------------------|------|
|            |   | Length           | Width | Height | Dry            | Filled | Liters                               |                                      | Start (Upto 2.3Vpc)                    | Finish (Upto 2.75 Vpc) |  | Min.                           | Max. |
| LSTB 8000  | 75 AH   | 504              | 218   | 254    | 18.3           | 32.5   | 14.5                                 | 7.5                                  | 3.7                                    | 265                    | 12.5                                       | 65                             | 260  |
| LSTB 12000 | 100 AH  | 504              | 218   | 254    | 19.3           | 34     | 14                                   | 10                                   | 5                                      | 350                    | 16.7                                       | 85                             | 350  |
| LSTB 14000 | 120 AH  | 500              | 187   | 416    | 28             | 54     | 20                                   | 12                                   | 6                                      | 420                    | 20   | 105                            | 420  |
| LSTB 16500 | 150 AH  | 500              | 187   | 416    | 31             | 57     | 19.5                                 | 15                                   | 7.5                                    | 525                    | 25   | 130                            | 520  |
| LSTB 20000 | 180 AH  | 500              | 187   | 416    | 35.5           | 60     | 19                                   | 18                                   | 9                                      | 630                    | 30   | 155                            | 625  |
| LSTB 22000 | 200 AH  | 500              | 187   | 416    | 38.5           | 63     | 19                                   | 20                                   | 10                                     | 700                    | 33.5                                       | 175                            | 695  |
| LSTB 24000 | 220 AH  | 500              | 187   | 416    | 41.5           | 66     | 18                                   | 22                                   | 11                                     | 770                    | 36.6                                       | 190                            | 765  |

\* The height mentioned is upto terminal top

### INITIAL CHARGING INSTRUCTION FOR DRY CHARGE BATTERY

- Filling in specific Gravity 1.220 ± 0.005 at 27 deg C
- Rest Period 12 hrs
- In order to reduce the charging time, the following route may be adopted
  - For LI 7500 The initial 2.36Vpc charging current may be 7.5A upto followed by 3.7A upto 2.75VPC
  - For LI 10000 The initial 2.36Vpc charging current may be 10A upto followed by 5A upto 2.75VPC
  - For LI 12000 The initial 2.36Vpc charging current may be 12A upto followed by 6A upto 2.75VPC
  - For LI 15000 The initial 2.36Vpc charging current may be 15A upto followed by 7.5A upto 2.75VPC
  - For LI 18000 The initial 2.36Vpc charging current may be 18A upto followed by 9A upto 2.75VPC
  - For LI 22000 The initial 2.36Vpc charging current may be 22A upto followed by 11A upto 2.75VPC

### CONDITION OF FULLY CHARGED

- 3 consecutive hourly reading of specific gravity and voltage become constant
- Top of charge voltage will be around 16.2V - 16.5V
- All Cells should be gas freely
- Minimum Ah has been given
- Specific Gravity at fully Charged condition 1.240 +- 0.005 at 27 Deg C

### PRODUCT FEATURES

- Long shelf life when left unattended for extended periods
- Pasted Negative Plates
- Tubular Positive Plates
- Acid Resistant Polyester Gauntlets
- High Porosity Envelope Separators
- Micro porous Ceramic Vent Plug

### PRODUCT BENEFITS

- Long design life
- Very low maintenance
- Can handle extreme weather conditions
- Rugged Performance
- Longer life without charging
- More efficient and saves money