

LUMINOUS**EXTT 18000****Deep Cycle Tubular Battery****Features :**

- Tubular plate design specifically tailored for deep cycle usage under Indian operating conditions
- Tower type PPCP container-cover design, assuring significantly higher electrolyte level above plates
- In-line level indicator for easier access
- Special envelope separator minimizes possibility of internal short circuit
- Conforms to IS13369-1992

Advantages :

- High life, low maintenance
- Suitable for use in areas with frequent power cuts
- Optimized material usage

Battery Construction :

| Component | Positive Plate | Neg. Plate | Container | Cover | Vent plug | Terminal | Separator | Electrolyte |
|-----------|----------------|------------|-----------|-------|-----------|------------|---------------|----------------------|
| Material | Lead dioxide | Lead | PPCP | PPCP | PPCP | Lead alloy | Poly Ethylene | Dilute Sulfuric acid |

Technical Specification :

| Nominal Voltage | C20 Capacity at 27°C till 10.5V (Test gravity 1.240±0.005)* | Overall Dimensions | | | Filled Wt |
|-----------------|---|--------------------|--------|------------------------|-----------|
| | | Length | Width | Height up to float top | |
| (Volt) | (Ah) | ± 3 mm | ± 3 mm | ± 3 mm | ±5% Kg |
| 12.0 | 150 | 503 | 189 | 411 | 57.0 |

* Recommended operating gravity under Indian ambient conditions

Constant power discharge performance :**

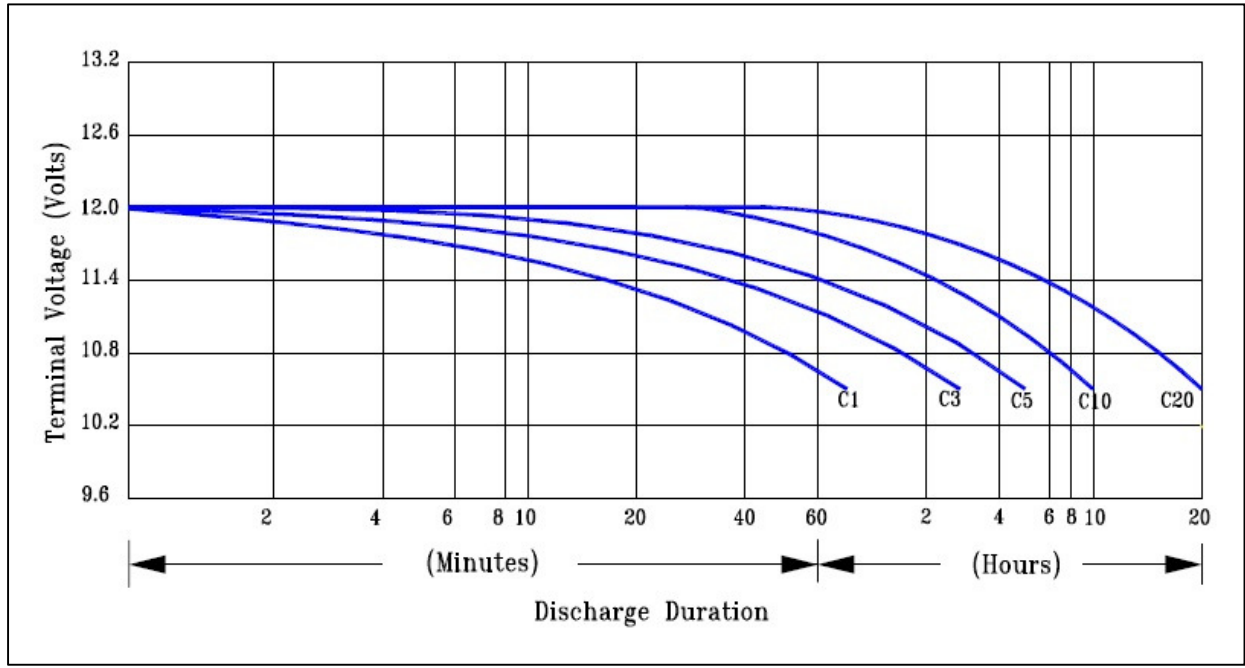
| Load | 500W | 400W | 300W | 200W | 100W |
|------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Maximum Duration | 2 Hr 10 Minutes | 3 Hr 00 Minutes | 4 Hr 30 Minutes | 7 Hr 30 Minutes | 18 Hr 30 Minutes |

** All test data based on stabilized battery capacity under controlled laboratory test conditions

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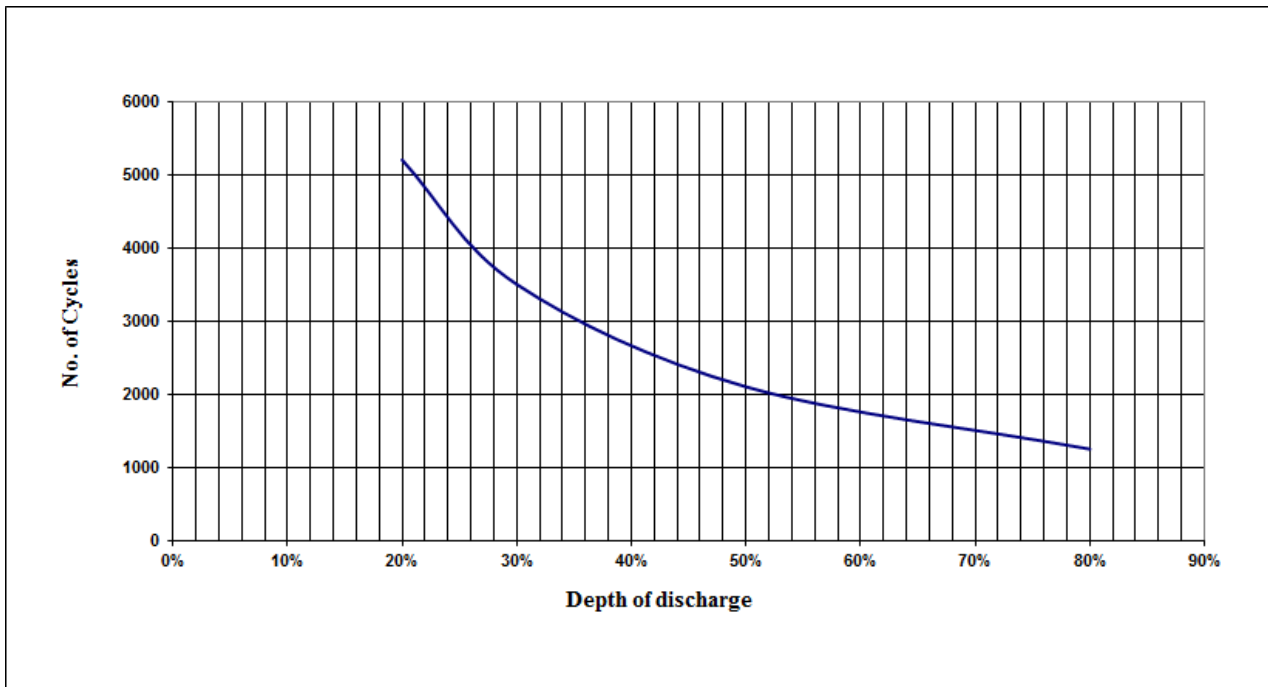
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Typical discharge curve at constant current discharge ** :



**** All test data based on stabilized battery capacity under controlled laboratory test conditions**

Cycle life of 12V Tubular Monoblock at Inverter application :



Curve drawn based on test data at standard test condition



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