

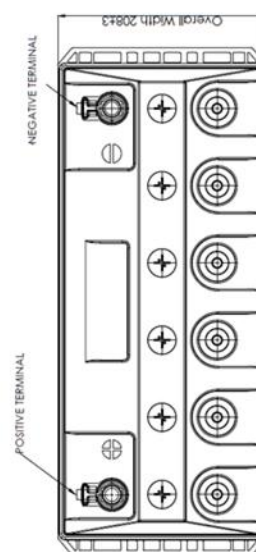
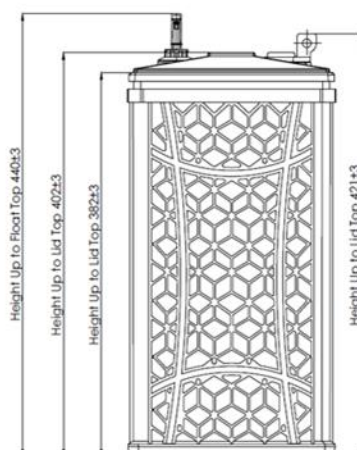
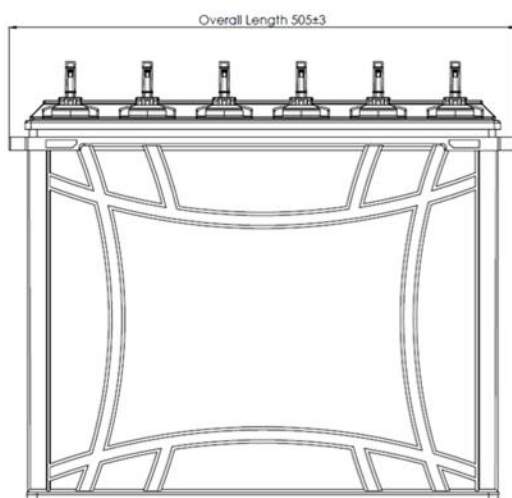
**Built** with superior plate design and high electrolyte volume, **LUMINOUS** inverter batteries deliver high performance each cycle & are capable to deliver long cycle life. **LUMINOUS** range of inverter batteries promises uninterrupted supply of electric power for long hours, **LUMINOUS** inverter batteries are able to meet frequent deep discharges, ensure reliability over months, needs less maintenance, ensure minimum emission of gasses and no or minimum acid fumes.



|                    |                            |
|--------------------|----------------------------|
| <b>MODEL:</b>      | OCTTEX200                  |
| <b>BATTERY:</b>    | FLOODED TUBULAR            |
| <b>VOLTAGE:</b>    | 12V                        |
| <b>DIMENSIONS:</b> | Millimeter                 |
| <b>COLOR:</b>      | Black (case) Black (cover) |
| <b>MATERIAL:</b>   | Polypropylene              |

| FEATURES                              | ADVANTAGES                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PLATE TECHNOLOGY</b>               | High performance positive plates made with Advanced Automatic wet filling process to ensure high surface area & consistent paste density throughout the plates.<br>Spines made with Special alloy composition & HADI high pressure die casting machines to ensure defect free Casting with high corrosion resistance. |
| <b>EXTRA ELECTROLYTE</b>              | Extra Tall containers to store 30% more electrolyte to ensure less frequent water topping                                                                                                                                                                                                                             |
| <b>HIGH GRADE IMPORTED SEPARATOR</b>  | Less electrical resistance, High oxidation resistance, high porosity, High charging efficiency.                                                                                                                                                                                                                       |
| <b>CERAMIC WATER LEVEL MANAGEMENT</b> | Optimally porous ceramic level indicator suppress water loss & promote safety along with cleanliness reducing water topping frequency.                                                                                                                                                                                |
| <b>ENVIRONMENT FRENDLY &amp; SAFE</b> | Environment friendly and safer as it emits less fumes and absolutely low maintenance.                                                                                                                                                                                                                                 |

#### BATTERY DIMENSIONS:



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| TECHNICAL SPECIFICATION |         |                |                                     |       |                      |                                 |                      |                             |
|-------------------------|---------|----------------|-------------------------------------|-------|----------------------|---------------------------------|----------------------|-----------------------------|
| Model Nomenclature      | Voltage | Capacity @ C20 | Battery Overall Dimensions (± 3 mm) |       |                      |                                 | Battery weight (±5%) | Battery packed weight (±5%) |
| OCTTEX200               | 12V     | 200Ah          | Length                              | Width | Height (Up to Cover) | Overall Height (Up to Terminal) | 62.5 Kgs             | 64.5 Kgs                    |
|                         |         |                | 505                                 | 208   | 402                  | 421                             |                      |                             |

| CAPACITY AMP-HOURS (Ah) |      |     | INTERNAL RESISTANCE |
|-------------------------|------|-----|---------------------|
| 20Hr                    | 10Hr | 5Hr | 6.5 (mΩ)            |
| 200                     | 168  | 140 |                     |

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

| CHARGING INSTRUCTIONS       |                |                                   |         |
|-----------------------------|----------------|-----------------------------------|---------|
| BOOST / BULK CHARGING (Amp) |                | TRICKLE MODE CHARGING (milli Amp) |         |
| STARTING RATE               | FINISHING RATE | MINIMUM                           | MAXIMUM |
| 20.2                        | 10.1           | 168                               | 672     |

| CONSTANT POWER DISCHARGE PERFORMANCE** |       |       |       |       |
|----------------------------------------|-------|-------|-------|-------|
| MAXIMUM BACKUP DURATION (HH:MM)        |       |       |       |       |
| 500W                                   | 400W  | 300W  | 200W  | 100W  |
| 03:20                                  | 03:50 | 06:00 | 10:30 | 24:00 |

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

| CHARGE CHARACTERISTICS (27°C)                 |                           |
|-----------------------------------------------|---------------------------|
| Cycle Use (BOOST / BULK)                      | Standby Use (Float)       |
| 14.40 – 15.0V (-40mV/°C), Maximum Current 30A | 13.60 - 13.80V (-20mV/°C) |

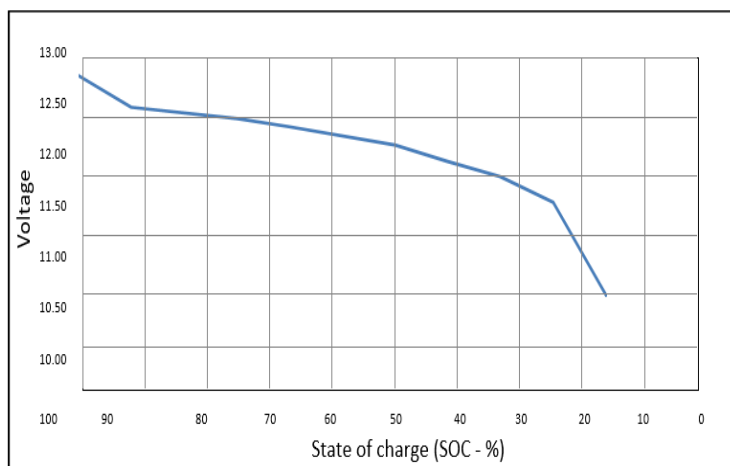
\*Battery to be recharged in CV mode only

| CHARGING TEMPERATURE COMPENSATION                                                             |                                                                                               |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| ADD                                                                                           | SUBTRACT                                                                                      |
| 0.005 Volt per cell for every 1°C below 25°C<br>0.0028 Volt per cell for every 1°F below 77°F | 0.005 Volt per cell for every 1°C above 25°C<br>0.0028 Volt per cell for every 1°F above 77°F |

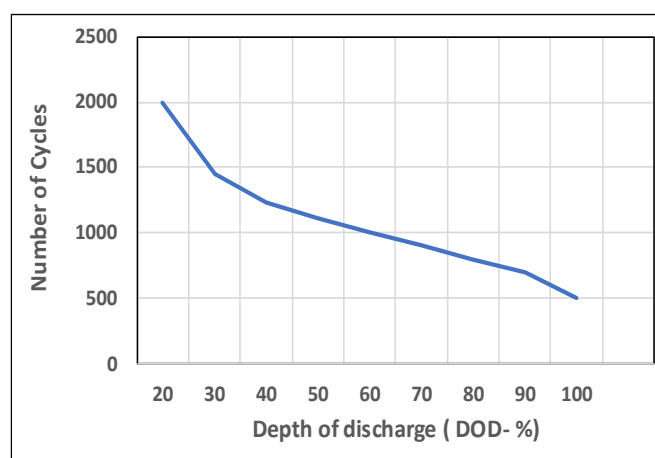
| OPERATIONAL DATA                                                                                              |                                                          |                                                        |                          |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------|
| OPERATING TEMPERATURE                                                                                         |                                                          | SELF DISCHARGE                                         |                          |
| -4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%. |                                                          | Less than 3% per month at 20°C temperature conditions. |                          |
| Rated Capacity at ambient temperature                                                                         | As per formula:<br>$C_t = C_{27} \{1 + 0.0043(t - 27)\}$ | Self-Discharge                                         | Conforms to IS13369-1992 |

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STATE OF CHARGE CHARACTERISTICS



TYPICAL DOD Vs LIFE CYCLE



Dimensions are based on nominal size. For tolerances refer above the table

Disclaimer: Specifications may change due to continual improvement and change in product design.

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