

## Technical Particulars

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### Battery Particulars

- Battery Type : Maintenance Free Valve Regulated Lead Acid (MF-VRLA)
- Battery Model : FTA 200 DB
- *Battery Capacity* : 200Ah at C<sub>10</sub> rate\*
- Volts/Module : 12 Volts
- Module dimensions (L X W X H) : (556 X 128 X 322) ± 3mm
- Module weight : 59.0 Kgs ± 3%

### Charge Regime

- Batteries shall be charged in constant potential mode with current limit
- Float charge voltage : 13.5 volts per module
- Boost charge voltage : 13.8 volts per module
- Current limit (CL) : Max. 30% of the rated capacity
- Recommended Voltage Compensation : For every 1°C raise in temperature, reduce the float voltage by 0.003VPC & vice versa, ensure the extension of temperature sensor up to the battery

### Product Details

- AH efficiency : Above 95%
- WH efficiency : Above 85%
- Self-discharge/Month : <4% of rated capacity
- Operating temperature : -20°C to +60°C (Peak temperature for shorter duration)
- Recommended Max period of storage : 6 months from the date of dispatch before first use and battery should be stored in a covered area
- Poly Material : FR-PPCP
- Type of separator : Highly absorbent Micro porous spun glass matrix (AGM)
- Terminal : M8 Top terminal
- Design float life : 12+ years

### Applicable Standards:

- Batteries generally conforms to : IEC 60896-21&22: 2004 Standards

\* Batteries may have the initial capacity range between 90 to 95% on the rated capacity when delivered. This will raise to 100% capacity after few charge/discharge cycles as per the IEEE - 485 clause no: 6.2.4 STD,