



## Technical Particulars

DOCREF : IAE/ SVRLA/TP/17-18/01

REV: 1

### Battery Particulars

- Battery Type : Maintenance Free Valve Regulated Lead Acid (MF-VRLA)
- Battery Rating : 12V - 7 AH to 10.5 EMV @ C20 at 27°C
- Manufacturers Cell Designation : 12AVL007
- Volts/Module : 12 volts.
- Module dimensions (LxWxH)\*±2mm : (151 x 65 x 94) mm. (H - Container Height)
- Module weight ±5% : 2.2 Kg. Approx.
- Terminal Type : F2 (Faston Tab)

### Charge Regime

- Stand by charging Voltage at 27°C : 13.5 to 13.8 volts per module
- Cyclic charging voltage at 27°C : 14.4 to 15.0 volts per module
- Charging current Limit : 0.70 Amps minimum to 1.75 Amps maximum.
- Temperature compensation : Stand by: -18mv/°C/battery, Cyclic: -30mv/°C/Battery
- Voltage ripple allowable : <2% of RMS value

### Product Details

- AH efficiency : Above 95%
- WH efficiency : Above 85%
- Self Discharge/Week : < 1% of rated capacity
- Recommended Max Period of Storage : 3 months from the date of dispatch before first use and battery should be stored in a covered area at 27°C
- Poly Material : Acrylonitrile Butadiene Styrene (ABS)
- Type of separator : Highly absorbent Micro porous spun glass matrix.(AGM)
- Type of +ve & -ve plates : Flat pasted
- Internal resistance (fully charged) : 19mΩ at 27°C
- Max. discharge current (5 sec) : 105 A

### Applicable Standards

- Batteries generally conforms to JIS 8702C International Standard.

Proprietary Material of M/s.AMARA RAJA GROUP OF COMPANIES, Tirupati.

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\*\*Due to on going improvement the specifications are subjected to modification without prior notice

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\*TH - Total Height is : 100 ± 2mm