

Guaranteed Technical Particulars

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Battery Particulars

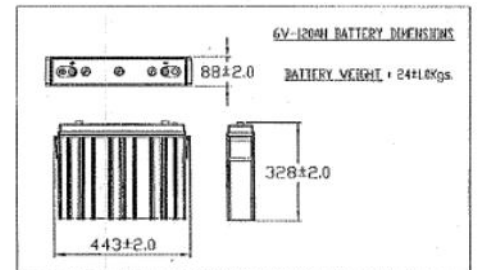
- Battery Type : Maintenance Free Valve Regulated Lead Acid (MF-VRLA)
- Battery Rating : 6V-120Ah to1.75 ECV C₁₀ at 27°C
- Manufacturers Cell Designation : TL120
- No of cells per Modules : 3 cells.
- Module dimensions (±2mm) : (443 X 88 X 328) mm Approx.
- Module weight (±5%) : 24 Kgs. Approx.
- Battery conforms to : RDSO/PE/SPEC/AC/0009-2014 (REV.2).

Charge Regime:

- Batteries shall be charged in constant potential mode with current limit.
- Float charging voltage : 6.75V DC
- Boost charging voltage : 6.9V DC
- Current limit : 24 A DC.

Product Details:

- AH efficiency : Above 95%
- WH efficiency : Above 85%
- Self Discharge/Week : < 1% of rated capacity
- Max. allowable Ambient Temp. at which cell can safely operate : 60° C continuous and 70° C short time.
- Recommended Max period of storage : 6 Months from the date of manufacturing and the batteries shall be Stored in covered area at 27°C
- Material of container : Fire Retardant V2 grade Polypropylene co-polymer.
- Type of separator : Highly absorbent Micro porous spun glass matrix. (AGM)
- Type of +ve & -ve plates : Flat pasted.
- Material of tray : Mild steel coated with acid resistance paint.
- Method of connection between cells : Bolted
- Voltage ripple allowable : < 2% of the RMS. Value
- Type of connectors : Lead coated lugs with 10Sqmm Elastomeric Cable.



Applicable Standards

- Batteries generally conforms to
 - (i) RDSO/PE/SPEC/AC/0009-2014 (REV.2).
 - (ii) IS15549:2005.
 - (iii) IEEE1188&1189
 - (iv) BS-6290, PART-4.
 - (v) IEC 60896-21&22:2004,PART-2