

JC battery Warranty

Terms and Conditions of Warranty

- a. Avoid flames, sparks and smoking near the battery.
- b. To obtain optimum service life out of the battery, avoid deep discharges.
- c. When placing the battery, ensure that it is secured firmly in the cradle. And the battery tray is cleaned properly.
- d. Always keep the terminals and clamps clean and grease-free and never hammer down the clamps. Keep the battery top clean from mud and dust by cleaning with dry cloth.
- e. In case of heavy mud covering the battery, the top should be cleaned and then the vent plugs to be opened with a rupee coin and immersed in distilled water to clear the mud. Ensure there is no blockage in the vent plug top.
- f. Ensure that the clamps are always firmly tightened. Use proper tools while fixing and removing battery.
- g. Do not keep the batteries idle for more than 3-4 weeks and MF batteries idle for more than 10-12 weeks.
- h. Make sure the connecting cables are fixed to the connecting poles. (first +ve to +ve then -ve to -ve).
- i. Apply petroleum jelly on the terminal cable clamps but never apply grease. j. To protect the battery from damage, recharge at recommended current (amps) only.
- k. Do not operate or charge battery is the electrolyte temperature exceeds 50°C.
- l. Electrolyte level to be maintained between Minimum and Maximum markings.
- m. Top up the cells with Distilled or Demineralized water only. Never use acid.
- n. Put the correct capacity of battery in the vehicle to get the best performance.
- o. Periodically check the voltage regulator output as over and under charging can be harmful to the battery.

Battery Technology:

Grid Alloy Technology

To better withstand the high temperatures in India, every JC battery is based on the grid alloy technology according to IS & JIS specifications. The grid construction is of central lug type with semi radial construction, a good balance between excellent high rate performance and long life.

Separators

The separators employed are PVC for the low cost versions and polyethylene with glass mat reinforcement for the medium and high end.

Containers

Made with PP copolymer, the containers have excellent impact resistance and other physical properties. The cover design is uncomplicated with easy to maintain top venting systems. In the case of maintenance free batteries, they

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have a coin flush filter vent system to give a clean flat maintainable surface with resistance to spark propagation inside battery to avoid the possibility of bursting during charging operations.

Raising the Bar

JC quality and process control laboratory checks all incoming metals, components and bought out parts. Incoming and blended metals are analysed for quality with optical emission spectrograph.

Plant

The plant at Coimbatore, is equipped with state-of-art machinery and instrumentation. Many such equipment have been designed and produced with in-house capabilities. Operations are also conducted on machines developed with the know-how of latest technology from Japan.

Battery Safety

Whenever you are handling or working with a lead-acid battery, consult your vehicle and battery owners' manual for instructions and safety precautions. Lead-acid batteries contain hydrogen-oxygen gases that can be explosive. Also, the sulphuric acid that can cause severe burns. To help avoid risk of danger and injury, observe these precautions while handling or working with a lead-acid battery

1. Wear safety glasses or goggles and a face shield
2. Make sure work area is well-ventilated
3. Never lean over battery while boosting, testing or charging
4. Cigarettes, flames or sparks could cause the battery to explode. Keep all ignition sources away from the battery.
5. Do not charge or use booster cables or adjust post connections without proper instructions and training
6. Keep vent caps tight and level
7. In event of accident, flush with water and call a physician immediately
8. Keep the battery out of reach of children
9. Avoid metallic contact across the terminals, as this can result in short circuit and sparking
10. Always maintain a clean battery surface, as dust accumulation can cause vent plug blockage

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