

E-MMORTAL
LITHIUM ION BATTERY
#ETERNAL_FLOW_OF_ENERGY

Product Manual

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1. Appearance

- All surfaces will be clean, without damages, leakage and corrosion. Each product will have a product label identifying the model.

2. Test Results

- Battery will be thoroughly tested on **our setup** at e-mortal automotives, before delivery. **Battery performance sheet** will be made available to customer at the time of delivery.

3. Packing

- Cells are at charge state when packed and assembled. Pvc insulation sleeve are provided to cover the battery pack from prevention of shock and fire.

4. Transportation

- During transport do not put battery pack to violent shaking, bumps, rain and direct sun light.

5. Do's And Don'ts

- The battery should be firmly secured in a cradle. Please ensure that the cable connector fit tightly and properly.
- Connections must be done with correct polarity and connector.
- Do not deep discharge battery. Terminal corrosion, dirt, moisture cause loss of power and make the battery weak.
- Use the battery only in the specified equipment.
- Do not connect battery directly to an electric outlet or high current application.
- Do not heat or throw battery into fire.
- Do not use, leave battery close to fire or inside of a car where temperature may be above 60°C. Also do not charge / discharge in such conditions.
- Do not immerse, throw, and wet battery in water/ seawater.
- Do not lift the battery using terminal wires.

- Do not short circuit the (+) and (-) terminals.
- Do not place battery in a device with the (+) and (-) in the wrong way around.
- Do not pierce battery with a sharp object such as a needle.
- Do not hit with a hammer, step on or throw or drop to cause strong shock.
- Do not disassemble or modify the battery.
- Do not use a battery with serious scar or deformation.
- Do not put battery into a microwave oven, dryer, or high-pressure container.
- Do not use battery with dry cells and other primary batteries, or batteries of a different package, type, or brand.
- Stop using the battery if abnormal heat, odour, discoloration, deformation or abnormal condition is detected.
- Store batteries out of reach of children.
- Before using the battery, be sure to read the user' s manual and cautions on handling thoroughly for the specific equipment.
- For information on installing and removing from equipment, thoroughly read the user' s manual for the specific equipment.
- Batteries have life cycles. If the time that the battery powers equipment becomes much shorter than usual, the battery life is at an end. Replace the battery with a new same one.
- Remove a battery whose life cycle has expired from equipment immediately.
- When the battery is thrown away, be sure it is non-conducting by applying vinyl tape to the (+) and (-) terminals.
a place with low humidity and low temperature.
- When not using battery for an extended period, remove it from the equipment and store in
- While the battery pack is charged, used and stored, keep it away from objects or materials with static electric charges.
- If the terminals of the battery become dirty, wipe with a dry cloth before using the battery.
- Never handle battery pack with its outlet wire, it leads to physical damage. Use proper equipment to carry it.

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6. DURING USE CHARGE Or STORAGE

- Do not use, leave battery close to fire or inside of a car where temperature may be above 60°C. Also do not charge / discharge in such conditions.
- When charging the battery, use dedicated chargers and follow the specified conditions.
- Keep away from fire immediately when leakage or foul odour is detected.
- If liquid leaks onto your skin or clothes, wash well with fresh water immediately.
- If liquid leaking from the battery gets into your eyes, do not rub your eyes. Wash them well with clean water and go to see a doctor immediately.
- Stop charging the battery if charging is not completed within the specified time.

7. Warranty

- E-mmortal automotives warrants, on the terms and conditions set out below, that:
- The performance guarantee period will be provided at the time of order confirmation (considering type of product, specification and application). The battery system should have complied with the operating conditions under the specification and the installation mentioned above.
- The product is integrated with bms (battery management system) and battery module and designed for only direct connection with the charge controller.
- E-mmortal automotives warrants that the product will be free of defects caused by improper workmanship or defective materials.
- Kilometre / backup run is not covered under replacement policy as it depends on the load, the state of maintenance of battery and environmental conditions.
- The warranties in respect of the product only applies if the product:
- Is purchased from e-mmortal automotives;
- Has the official e-mmortal automotives' serial number;
- Is installed in the territory;
- Is installed, operated and maintained in accordance with the product instructions; and be used on a daily cycle basis and only for specified application.
- Is connected with the compatible type of power controller proved by e-mmortal automotives;
- Specified application with the operating temperature within 20°C to 60°C;

- With operating c-rate as per specified application;
- However, any defect caused by the following circumstances will not be covered by the standard warranty:
 - Charge controller/pcs (power converting system) failure; 60°C
 - Failure to comply with safety regulations in respect of the battery;
 - Unauthorised repairs to the battery;
 - Improper or unspecified use of the battery (including accidents and external influences beyond the control of e-mmortal automotives);
 - Insufficient ventilation of the battery;
 - Any attempt to extend or reduce the life of the product without written confirmation from e-mmortal automotives whether by physical means, programming or others;
 - The battery or packaging is damaged due to improper storage before installation;
 - Damage during the transportation of the battery;
 - Water, conductive dust or corrosive gas;
 - A force majeure (e.g. war, crime, natural disasters, etc.); and
 - Flaws that do not adversely affect the proper functioning of the battery (e.g. cosmetic defects, and wear and tear).
- If the battery fails to comply with the performance guarantee as per the specifications within the applicable warranty period, e-mmortal automotives will at its option:
 - Repair the battery at an e-mmortal automotives workshop; or
 - Provide an equivalent replacement either by itself or through an e-mmortal automotives service partner.
- For any battery repaired or replaced under the warranty, the remaining warranty period of the original battery will be transferred to the replaced battery. E-mmortal automotives will register the transfer of the warranty entitlement.
- It is condition of this warranty that battery under complaint shall be returned in proper shape, without any damage, to head office of e-mmortal automotives. To and fro transportation charges of battery under claim will be by customer.

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