How to Achieve Good Range and Better State of Health (SoH) for the Batteries of New Consumers

As there is a time gap from the date of manufacturing of the battery to the vehicle sale at the outlet, and battery has not gone through the charging and discharge cycles for considerable time period, i.e., in idle condition. The battery/cells need certain number of charging and discharging cycles to reach the best possible equilibrium situation. Due to safety reasons, the batteries' transportation and storage also happens at lower voltage than the system voltage.

Hence, we recommend the consumers to **follow the below mentioned health tips for the initial 60 days or until the first two free services** to achieve best state of the battery health in the longer run and also to obtain good range:

Driving Health Maintenance: We recommend you to ride the vehicle in 1st and 2nd mode during the initial weeks, as this can help to maintain effective internal cell balancing. Additionally, the 3rd mode should be used only if necessary.
Frequent Charging: It is important to frequently charge the battery above the nominal voltage of 60V whenever you finish your ride, as this can enhance the active balancing process. The best equalization between cells can be obtained during the CV mode of charging.
Avoiding Deep Discharge: It is not recommended to let the battery discharge completely, as this can damage the battery's health. Always try to keep the battery level between 30% and 80%.
Sufficient Rest Period: Allow sufficient rest periods between charge cycles and driving cycles. Rest time after charging will provide more efficient active balancing in the battery.
Avoid extreme temperatures: Lithium-ion batteries perform best in moderate temperatures. Avoid exposing the battery to high temperatures (above 60°C) or low temperatures (below -20°C) as may lead to damage of the battery.
Store the battery properly: If the battery is not going to be used for an extended period of time, it should be stored at around 50% capacity in a cool, dry place.

Whenever the vehicle/battery is not used for more than two weeks, i.e., kept under idle condition for longer duration, we recommend you to follow the above health tips for a few weeks to obtain the best possible on-road range.

Refer to the user manual for full details on health tips

OWNER'S NAME: MOBILE NO: + 9 1 | | | | | | | | | | |

BATTERY NO: _____ **MODEL**: _____

VIN NO: | | | | | | | | | | | | | | | | | |

_____ **DEALER STAMP & SIGNATURE**

_____ **CUSTOMER SIGNATURE**

TOLL FREE NO: 1800 212 6440

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