

ASHWA L5 EV

FAQs

1. How much time the charger takes to charge 100% of the battery?

Usually, an 8KW battery pack when charged with a standard charger takes 4.5-5 hrs. to charge the battery.

2. How many units are consumed while charging the battery to 100%?

An 8 KW battery usually consumes around 9-10 units of electricity.

3. What is the maintenance cost involved every year?

Normal service and maintenance costs involve changing of differential and gearbox oil to ensure smooth performance delivery, wiring harness testing to ensure connections and other safety related norms and deep washing and cleaning to remove all the dirt and dust that might affect the powertrain. All these might add up to approximately as low as ₹1000-2000 per year.

4. Where can we charge the battery and can we use any public charging stations to charge the vehicle?

ASHWA EV requires a normal 3-pin 15A power supply socket to plug in and start the charging using the mobile charger which is purchased with the vehicle. The vehicle can be charged at any residential or commercial power socket with a 3 pin plug. It is advised to use a UPS at places where there are frequent power fluctuations. This might protect the charger and deliver even power while charging is ON. At public charging stations, the charger purchased with the vehicle can be plugged in the 3-pin plug (which shall be available at charging stations). Also, Antark Energy will be setting up chargers in different regions which can be accessed easily in upcoming future.

5. What are the basic things to be kept in mind while operating ASHWA EV?

There are few basic, fundamental and critical points that needs to be kept in mind while operating ASHWA EV as listed below:

1. Before starting the vehicle, the main emergency contactor switch needs to be ensured and kept in ON position to switch ON the vehicle.
2. Handbrake needs to be fully depressed before providing any acceleration using the throttle.
3. Brakes should not be applied while providing throttle acceleration as this might consume more battery power and you can lose range of the trip. The motor also gets deteriorated when brakes and acceleration both are applied simultaneously.

4. Halogen headlights consume more power and does affect the range of the vehicle. So, during daytime, when there is lesser requirement of headlamps, in off condition the vehicle can achieve better range.
5. NDR (Neutral-Drive- Reverse) switch should be checked and ensured before providing any acceleration to the vehicle.
6. Side view mirrors needs to be aligned to ensure maximum visibility and awareness of and around the vehicle.

6. What is the cost of the battery after it completes its service period and how to determine its service period?

Our battery has been designed and installed to give highest durability and efficiency. The battery is installed with a SMART BMS. Using this facility, the battery state and other parameters, you can easily check the state of the battery. The battery usually completes its service period within 1600-1800 lifecycles. Once the battery ends its service period, you can contact the company to get the battery checked and then get it changed with renewed warranties. In order to understand the financials kindly contact us.

7. What is the range of the vehicle?

The vehicle without any load has been tested with a highway range of 123 km and with a load of 650 kg, the range achieved was 65-85km in different traffic conditions. The range depends on various factors like temperature conditions, road and terrain conditions, driving mechanism of the driver, payload carried by the vehicle, braking and lubrication in the powertrain, maintenance, etc.

8. Is the vehicle equipped with GPS?

The vehicle is ready to provide the GPS facility if it is asked by the customer in case of fleet management and other business purposes.

9. What are the chances of the EV catching fire and other mishaps?

All the components used in ASHWA have been tested in the most rigorous and harsh conditions and road conditions. We have designed the vehicle in such a manner that it becomes the safest vehicle in the three wheeler vehicle segment. The battery gets proper ventilation and has been tested and certified by Government authorized labs in India. ASHWA has been tested in working conditions of 65°C temperature of battery and we have got no red flags. The vehicle has been fitted with appropriate amounts of failsafe mechanisms and protection mechanisms so that it shuts down the power before it senses any kind of non-genuine signals from the components.