

## Scooter Specifications

Both the Ather 450X and 450S are high-performance electric scooters, but they do have some key differences in their specifications:

Motor:

- Ather 450X: 6.4kW PMSM motor with 27Nm torque
- Ather 450S: 5.4kW PMSM motor with 22Nm torque (26Nm for the Plus variant)

Performance:

- 0-40 kmph acceleration: 3.3 seconds for 450X and 3.9s for 450S
- Top speed: 90 km/h for both scooters

Range:

- Certified range: 150 km for the 450X, 115 km for the 450S
- TrueRange™ (typical range): 110 km for the 450X, 85 km for the 450S

Navigation

- 450X uses Google Maps. 450S uses Turn by Turn navigation

Charging

- (0-80%) 4 hr 30 min for 3.7kWh variant and 6 hr 36 min for 2.9kWh variant.

Other key differences:

- Battery capacity: The 450X comes in two variants for battery capacity - 2.9kWh and 3.7kWh. 450S comes in one variant with 2.9kWh battery capacity.
- Weight: The 450X is slightly heavier (111.6 kg) than the 450S (108 kg).

## Savings

100 Rs gets 438km on Ather but only 40km on a petrol scooter. Ather costs approximately 1Rs per km. Riding 30km daily will save 1,00,000Rs on fuel prices on 450x.

## Safety

Ather comes with following safety features:

Emergency Stop Signal (ESS)

In a panic braking situation, ESS alerts the people around by activating the blinking of the tail light. This safety feature, seen only in high-end bikes/cars, is now on Ather.

FallSafe

In case the rider falls off, this feature cuts off the power supply to the motor and stops the scooter from moving further. As an additional safety layer, both the indicators also start blinking, to alert fellow riders on the road.

Dual disc brakes

Quick acceleration, complemented by quick braking.

## **Accessories and Merchandise**

### **Accessories:**

- **Frunk:** This innovative storage compartment sits under the front seat, providing additional space for your belongings. It's water-resistant and can hold up to 5 kg of cargo.
- **Side Step :** Makes it easier to mount and dismount your scooter, especially for shorter riders.
- **Helmet:** Various stylish and protective helmets are available, certified for Indian standards.
- **Seat Cover:** Protect your original seat from wear and tear with a variety of stylish options.
- **Floor Mat:** Keeps your scooter floor clean and protected.
- **Body Guard:** Protects your scooter from scratches and minor bumps. (Currently sold out)

### **Merchandise:**

Ather offers a collection of branded clothing and accessories featuring their logo and designs.

Some current highlights include:

- **T-shirts:** Various designs showcasing the Ather brand and its values.
- **Tech Spec T-shirt:** A unique T-shirt featuring the technical specifications of the Ather 450X

## **Ather is the better EV to buy because**

## 1. Safety of Ather Battery

The Ather battery has a customized suit of armor, keeping it safe from all sorts of hazards of the outside world.

The Ather battery pack is designed to meet the highest safety standards, so that the user can zoom around town worry-free. It is like having a personal bodyguard for the Ather Battery! With the ather battery's robust casing, it's protected from any unexpected mechanical abuse.

The ather battery has safety features too. The ather battery has a thermal management system to keep it cool, preventing any chance of overheating. The ather battery is equipped with overcharge protection, so the user never has to fret about overdoing it on charging. If the Ather battery management system senses any fault, it pulls off an automatic shutdown of the battery.

Ather has put the ather battery through rigorous tests against impacts, vibrations, and extreme temperatures ensuring that the user can ride safely in all conditions

The ather battery in Ather keeps the user safe and sound during the electric adventures. So that the user can hop on to the Ather scooter and breeze through the city knowing that the ather battery is your very own superhero, watching out for them at every turn!

## 2. Range

The Ather 450 series scooter has an impressive range of upto 110 kilometers on a single full charge.

Ather today has 2 models of the Ather 450 series scooters which are the 450S and the 450X which has two variants the 450X (2.9 KWh) and the 450X (B3.7 KWh).

The Ather 450S has an IDC range of 115 kms and a TrueRange of 90 kms

The Ather 450X (3.7 KWh) has an IDC range of 150 kms and the TrueRange is 110 kms.

The Ather 450X (2.9 KWh) has an IDC range of 111 kms and the TrueRange is 90 kms.

Whether the user is zipping through the city streets or exploring the outskirts, the Ather scooter has got them covered. The user can confidently zoom around knowing that they have a good amount of range to play with.

The Ather 450 also has a feature called "Smart Eco Mode". The "Smart Eco Mode" mode optimizes the scooter's performance to provide even more mileage on a single charge. It's like a secret power-up for getting extra range!

The Ather 450 series scooter can go the distance and explore new horizons without constantly worrying about running out of battery.

### **3. Ola vs Ather**

The Ola S1 Pro 2nd Gen comes with a larger battery pack of 3.97 kWh. Higher the battery capacity means higher the certified range. Hence, Ola S1 Pro comes with an IDC range of 195 kms.

While the Ola may have a higher range, the Ather 450 is no slouch. With a certified of upto 150 kms and an impressive TrueRange of up to 115 kilometers, the Ather 450 series scooters are perfect for zipping around the city on your daily commute.

A user doesn't have to travel more than 30 kilometers in a day very often. The Ather 450 has got the user covered for your daily city adventures and with the 1500+ Ather Grid points the user is enabled to ride their Ather to the fullest without any range anxiety. So the user can go ahead, embrace the quirky and efficient Ather 450 series and enjoy their daily rides without any limits!

### **4. Chetak vs Ather**

Starting cost of Chetak is slightly lower than Ather, currently at 115000 compared to 129999 of Ather.

Range of Chetak is lower as compared to Ather. Chetak's range starts at 108 km while certified range of Ather 450X stands at 150km and for 450S at 115km.

Ather has a better performance on road with its top speed at 90km/h and 0-40 km/h time as 3.3 second. Chetak's top speed lies around 63-73 km/h.

Ather has more colour options than Chetak but slightly higher charging time.

### **5. iQube vs Ather**

Base models and Premium models of TVS iQube have a lower range of 100 km and 145 km compared to those of Ather which have a certified range of around 110 km and 150 km respectively.

Ather has a better performance on road. The top speed of iQube lies between 78 to 82 km/h while that of Ather is 90 km/h with a great time span of just 3.3 second to go from 0-40 km/h.

iQube has a relatively lower charging time than Ather but a slightly higher cost for comparative models.

## **6. Ather is not a Chinese Company**

Ather Energy is an Indian company, it has been blazing a trail in the electric scooter market since its establishment in 2013. Founded by Tarun Mehta and Swapnil Jain in Bengaluru, Ather Energy has been at the forefront of innovation and technological advancements.

One of Ather's significant milestones was the launch of their first electric scooter, the Ather 450, in 2018. The Ather 450 scooter immediately gained attention for its sleek design, powerful performance, and smart features. Ather Energy quickly made a name for itself as a leader in the electric mobility space, earning accolades and appreciation from both enthusiasts and environmentalists alike.

But Ather didn't stop there. Ather Energy continued to push boundaries and introduced the Ather 450X in 2020, an upgraded version of the original 450. This upgraded model boasted enhanced performance, increased range, and improved features like a 4G connectivity-enabled touchscreen dashboard.

Another milestone to celebrate is the establishment of Ather's manufacturing facility, Ather Factory, in Hosur, Tamil Nadu, this state-of-the-art facility has made it possible for Ather Energy to produce their electric scooters locally, further contributing to India's growing electric mobility ecosystem.

So, while Ather Energy is not a Chinese company, they sure have a track record of innovation and achievement.

## **7. Service Interval for Ather Scooters**

Ather scooters, being zippy EVs, have a fascinating service interval. The scooter requires maintenance every 5,000 kilometers. And here's a mind-blowing fact: EVs have fewer moving parts compared to their petrol scooter counterparts! That means fewer components to fuss over during each service, resulting in cost-effective maintenance. So, while traditional scooters often need more frequent check-ups, Ather scooters give you the joy of smooth rides and fewer trips to the service center. Now that's some shocking efficiency.

## 8. Warranty

Ather scooters come with a dazzling warranty package. The warranty on the Ather 450 series includes a comprehensive coverage of 3 years or 30,000 kilometers, whichever comes first.

The Ather Battery pack has a warranty of 3 years or 30,000 km whichever is earlier, whichever comes first, with a performance assurance of 70% which is an industry first (Available only in Pro pack). The battery life is approximately 2000 charging cycles. ie. With a True Range of ~100 Kms, it will power rides up to 2,00,000 Kms.

Ather Battery Protect is a one-of-a-kind comprehensive 5 year warranty plan that extends the battery's manufacturer warranty of 3 years by an additional 2 years. In total, you get 5 years of warranty coverage and complete peace of mind. Ather Battery Protect comes along with the Ather 450X, when you upgrade to Pro, it cannot be bought separately. Ather Battery Protect coverage lasts up to a total of 5 years or 60,000 km, whichever comes first (Enabled only with the Pro Pack).

The Ather Battery Protect certificate will be mailed to the scooter owners within 30 days of invoice. Battery State of Health data is reliable only after the vehicle has completed 10,000 kilometres. The customer can reach out to Ather's customer support team and Ather support will help them with it. Bringing the Ather scooter to the nearest Ather service center and stating battery concerns. If the issue is covered under Ather Battery Protect, the service center will check for validity & applicability of the same. Once verified, repair or replace of the relevant part will be done, free of charge. In case of sale of the scooter to another person, the Ather Battery Protect policy will be transferred to the new owner. Ather Battery Protect will provide replacement or repair of the batteries that are damaged due to manufacturing defects, workmanship errors or if the battery's State-of-Health falls below 70% within the coverage period. This is free of cost inclusive of labour charges. Ather Battery Protect can't be bought separately. It comes along with the Ather 450X, when you upgrade to Pro.

The chassis of the Ather 450 series is made of a sturdy aluminum alloy, No other EV two-wheeler can boast such a robust chassis material. This not only makes these scooters lighter but also adds a touch of futuristic sophistication to the rides.

The user of an Ather 450 series scooter can enjoy the peace of mind that comes with an amazing warranty, all while rocking an aluminum alloy chassis that makes heads turn. It's time to level up your scooter game with Ather's out-of-this-world features!

## **9. Pro Pack**

The Pro pack is like the ultimate treasure chest that unlocks the hidden powers of the Ather scooter. The user gets the convenience of planning their rides and monitoring their Ather scooter remotely, but it's like adding a turbo boost to the scooter's awesomeness!

The Pro pack is like a magical software add-on package that can be purchased with the scooter itself.

With the Pro Pack, the user can enjoy all the mind-boggling futuristic features like Ather Ride Assist, Ather Connect, and Atherstack OTA updates. It's like giving the Ather scooter a genius-level brain that constantly keeps it ahead of the game.

Ather gives the user the freedom to try out the scooter without the Pro pack first. It's like test-driving a supercar before deciding to unleash its full potential with the Pro pack. Talk about flexibility! The Pro pack elevates scooter journey to stratospheric levels.

## **10. Price difference between Ather 450X (3.7 KWh) and Ather 450X (2.9 KWh) variants**

The price difference between Ather 450X (3.7 KWh) and Ather 450X (2.9 KWh) options in the Ather 450X electric scooter is due to the difference in the capacity of the batteries. The Ather 450X (2.9 KWh) has a 2.9 kWh battery which is a lower capacity and a corresponding lower price, while the Ather 450X (3.7 KWh) has a 3.7 kWh battery which has a higher capacity and a higher price.

The larger battery provides a longer range, making it a more attractive option for riders who require a longer range. The exact price difference is INR 12,999/-

## **11. There is no design change for Ather scooter**

Ather has not announced any major design changes for its scooter models, including the Ather 450X, as of now. The company has focused on improving the performance, range, and overall user experience of its electric scooters through software updates and hardware upgrades.

The current design of the Ather scooter is already sleek, modern, and futuristic, and the company seems to be satisfied with its aesthetic appeal.

However, it's possible that Ather may introduce some design tweaks or refreshes in the future to keep up with the evolving trends and customer preferences in the electric scooter market.

## **12. Putting Ather grid in an office**

One can reach out to Ather Energy through their website or email them at [info@atherenergy.com](mailto:info@atherenergy.com) to express your interest in installing an Ather Grid at their office.

## **13. Warranty on the belt**

We have updated our warranty terms on certain parts including the belt kindly contact our authorized service centers for details of the same

#### 14. Charging

Ather Energy provides a range of charging solutions for electric vehicles.

**Ather Grid:** Ather Grid is a public charging network for electric vehicles, which is available in cities across India. It offers fast charging (up to 4 kW). It charges 3.7kWh battery from 0-80% in 90 minutes. The ather grid is the largest two-wheeler fast charging network in India. There are 1500+ public grids in India and the network is ever expanding.

**Home Charging:** Ather Energy offers a home charging solution for its electric scooters, which allows users to charge their vehicles at home or in their office. This charger comes bundled with the scooter.

**Ather neighborhood charger :** Ather's initiative is to provide charging solutions in shared private spaces such as apartments and offices. We take care of the hassle of installing a charger, so the user has to worry less and can go ahead, buy an Ather scooter. And since Ather is spearheading the electric vehicle movement in India - even these chargers aren't just for Ather scooters, they work with other Electric Vehicles.

#### 15. Setting up a charger at home

The Ather 450 series comes bundled with a charger which can be carried around in the boot of the scooter, all you need is a 5A socket. Be it your home / office / somewhere else all you need is a 5A socket to set up the home (bundled) charger.

#### 16. Booking an Ather Scooter

Booking an Ather Scooter is as easy as ordering food online. One can go to Ather's official website, click on **Book Now** and select their desired model and color and pay the pre-booking amount of INR 2500 and it's done. But here is the best part, the pre-booking amount is fully refundable.

#### 17. Delivery Time for the Ather Scooter

Usually depending on the RTO process and stock availability of the variant of the Ather Scooter, the delivery timeline is tentatively 10-20 days from the date of full payment or Loan disbursement date, however the delivery time of a particular variant or color might vary based on stock availability at the experience center, so for a better understanding the customer should visit their nearest experience centre.

#### 18. Colors of Ather Scooter.

Ather Energy has a colorful range of electric 450X Series scooters. Ather 450X series is available in 6 vibrant colors (Cosmic Black, Salt Green, Space Grey, Still White, True Red, Lunar Grey) and 450S comes with 4 vibrant colors (Cosmic Black, Salt Green, Space Grey, Still White).

#### 19. the Ather Scooter are expensive



It's not just about the price tag, it's about the tech, the design, the quality, and the customer experience! The scooter's high-performance motor, powerful battery, and intelligent operating system give it the strength and agility to tackle any challenge.

The futuristic design is not just aesthetically pleasing, but also functional, with a large touchscreen display, LED lighting, and a spacious under-seat storage compartment. And the scooter's high-quality components and materials ensure that it's reliable, durable, and safe.

But that's not all - the Ather electric scooter also provides a premium customer experience, from the sales and service process to the after-sales support. The company's authorized dealers and service centers across India ensure that customers receive timely and efficient service.

#### **20. Requirement of a Driving License**

In India, Ather electric scooters require a valid driving license (DL) to be driven on public roads. For Ather electric scooters, which fall under the category of motor vehicles, a DL in the motorcycle category (MC) is required.

#### **21. A fast charger option for Ather scooter**

Ather has India's largest two-wheeler fast charging network with 1500 active fast chargers across the country. It is Fast, reliable and all over Indian roads, just like the Ather scooters. Find one, plug in, charge, monitor charge status and pay, on the Ather app. One can get a Charging speed up to 15 km / 10 min.

#### **22. Range Accuracy**

Ather scooters come with a TrueRange™ of around 110 kilometers (depending on the specific model and riding conditions), and the range indicator on the scooter's display is designed to be as accurate as possible.

However, the actual range may vary based on several factors, such as the riding style, terrain and weather conditions.

Ather recommends that riders plan their trips accordingly, keeping these factors in mind, and charging the scooter as needed to ensure a safe and enjoyable ride.

#### **23. Weight capacity of the scooter**

Ather provides a weight carrying capacity that can easily accommodate two average individuals without any compromise on range, speed, or acceleration. Ather lets the user experience the ultimate ride, while enjoying the thrill of high-performance electric mobility.

#### **24. Accessories with the Ather scooter**

Ather offers a range of accessories that can be added to their electric scooters to enhance the riding experience

Following link contains more information about the same.  
<https://www.atherenergy.com/accessories>

## **25. Ather bike**

The company is currently focused on expanding its electric scooter lineup in India and has recently launched the Ather 450X, an upgraded version of its flagship electric scooter, the Ather 450. The company has not made any official statements regarding the launch of an electric bike, but it's possible that they may consider expanding into the electric bike market in the future. However, for now, their focus remains on the electric scooter segment.

## **26. Offers on the Ather scooter**

Ather energy tries to come up with unique and different offers every month. To know more about the offers for this month, pop by the nearest Ather energy experience center, give them a call, or head to their website for all the details. A potential Ather customer won't want to miss out on these scooter specials

## **27. Waterproof battery**

The ather 450 series scooter have an ip67 rated battery, which means it's waterproof & dust proof and can withstand being submerged in water up to 1 meter deep for up to 30 minutes.

But it's always recommended to avoid riding the scooter in heavy rain or flooded areas to ensure the longevity and performance of the battery.

## **28. Riding the vehicle in rainy seasons, in water?**

While the Ather 450 series scooter battery is IP67 rated and can withstand being submerged in water up to 1 meter deep for up to 30 minutes, it's not recommended to drive the scooter in heavy rain or flooded areas.

The Ather 450x is an electric scooter designed for urban commuting, and it's best to avoid riding it in heavy rain or waterlogged areas to ensure the longevity and performance of the battery and other components.

## **29. Eligibility of Ather for state subsidy**

Ather Energy's electric scooters are eligible for state subsidies in several Indian states. The exact subsidy amount and eligibility criteria may vary from state to state. It's best to check the latest subsidy policies and eligibility criteria on the respective state government websites, one can also just walk into Ather energy's nearest experience center or give them a call for more information.

## **30. Discount for government employees**

**While Ather energy tries to make their product as affordable to an individual as possible, they also have corporate discounts for certain corporations. Please visit Ather energy's nearest experience center for more information.**

### **31. Fancy number on scooter license plate.**

Ather scooter can be made as fancier as it gets. It is definitely possible to have a special or fancy number plate. But a special number plate might affect your scooter's delivery timeline a bit.

### **32. Ather 450X versus Ather 450S**

Both the Ather 450X and 450S are high-performance electric scooters from Ather Energy, and the choice between the two depends on individual preferences and requirements.

The Ather 450X is a better choice for those who prioritize range, and premium features, while the Ather 450S is a better choice for those who prefer a core performance & a lower price.

Visiting the nearest Ather energy experience center and taking a test ride of both the scooters would be helpful in making a decision as to which scooter is the most suitable for a particular customer.

### **33. Nearest showroom**

An Ather customer can visit Ather energy's website and book a test ride too and find which is the nearest experience center according to your locality.

Another way is to just call Ather at +91 7676600900 and they will be happy to help.

### **34. Ather energy's phone number**

Ather energy's contact number is +91 7676600900. Calling on this number will help the user with their queries.

### **35. Ather vehicle manual**

Ather provides an E Manual (Electronic Manual) for its electric scooters, through its official mobile application. The E Manual is a digital version of the traditional printed manual that comes with the scooter.

To access the E Manual, follow these steps:

1. Download and install the Ather App from the App Store or Google Play Store.
2. Create an account or log in using your existing credentials.
3. Once you're logged in, go to the "Support" section of the app.
4. Click on "Vehicle Manual" under the "Support" section.

The E Manual includes detailed information about the scooter's features, specifications, maintenance, troubleshooting, and safety guidelines.

Additionally, the E Manual can be easily updated and accessed from anywhere, provided the Ather connect app is installed on a device with an internet connection.

### **36. Units consumed for a full charge?**

The exact amount of electricity consumed by the Ather 450X for a full charge may vary based on several factors, such as the initial battery charge level, the ambient temperature, and the charging method. However for an Ather to charge fully it takes up somewhere around 4-5 units of electricity for a full charge.

### **37. AutoHold**

AutoHold feature is an advanced safety feature available on the Ather 450 series scooter.

This feature ensures that the scooter remains stationary and does not roll backward or forward on an incline, providing added safety and convenience to the rider.

It automatically engages when certain conditions are met, such as when the scooter is on an incline, speed is zero, the scooter is in the riding state, and neither the brakes nor the throttle are engaged.

The AutoHold feature is designed to work both on uphill and downhill inclines. It engages automatically and disengages gracefully when the user provides any throttle input or partially or completely depresses any brake lever.

This feature ensures that the scooter remains stationary and does not roll backward or forward on an incline, providing added safety and convenience to the rider.

### **38. Optimized charging**

The optimized charging feature on the Ather 450X electric scooter is a smart and safe way to charge your ride. Once turned 'ON' from the settings menu, It activates when it is plugged in for a charge between 6 pm and 1 am.

During this time window, the optimized charging feature ensures that your scooter is charged only up to 80%. The reason why this is done is because charging your scooter to 100% every day can put a lot of stress on the battery, which can lead to a decrease in battery health over time. This is because charging the battery to 100% causes lithium ions to settle at the bottom of the battery, which can lead to a decrease in battery capacity over time.

The optimized charging feature helps to mitigate this issue by charging the battery only up to 80% during the time window between 6 pm and 1 am. This ensures that the battery is not fully charged every day, which reduces the stress on the battery and improves its overall health over time.

### **39. Coasting regen**

Coasting regen is a feature on the Ather 450X electric scooter that helps to recover some of the energy that would otherwise be lost during braking. It's like having a superhero power that turns braking into a source of energy!

When the brakes are applied on the Ather 450X, the coasting regen feature converts some of the kinetic energy that would otherwise be lost during braking into electrical energy that is stored in the battery. This helps to extend the overall range of the scooter, and essentially helps in getting some extra miles out of each charge.

### **40. SmartEco mode**

SmartEco is an Ather Labs feature that has been introduced to help customers guarantee the full range of the Eco mode on their Ather 450X.

The SmartEco mode intelligently regulates the amount of power available to the user to ensure they always get the TrueRange (110 Km for 450X) available.

The range available for a particular ride is dependent on multiple factors including but not limited to

- Efficiency of ride style (heavy acceleration, heavy braking)
- Terrain (uphills, slopes)
- Number of passengers on the scooter
- And several others.

When a vehicle is in the SmartEco mode, the vehicle monitors these parameters and regulates the amount of power. This way, it ensures the range is going to be as close to the TrueRange as possible.

### **41. Customized vehicle color**

Ather's design team has researched and curated a collection of eye-catching, vibrant, and fresh colors for your Ather scooter. Ather has taken into account unique preferences and requirements of their customers to ensure that our color options are tailored to your needs.

Ather does not currently offer a customized color option. However, Ather understands the importance of having a scooter that truly reflects the personal style of their customer. Currently one can select from Ather's exciting range of colors. There is a possibility Ather would offer more extensive color options in the future.

### **42. Booking a service**

To schedule a service for your Ather scooter, the user should visit Ather's website and enter their location. Ather's system will provide the user with a list of nearby service centers and their contact information, making it easy for them to get in touch and book an appointment.

The user can reach out to the preferred service center directly using the contact details provided on our website. Ather has a customer support team that is always there to assist the user with any questions or concerns they may have.

Ather's skilled technicians can be trusted to provide a user's Ather scooter with the highest level of care and expertise, ensuring that it continues to perform at its best for years to come.

#### **43. Roadside Assistance (RSA)**

For any roadside assistance needs, the user can easily connect with an RSA partner through the Ather connect app. After logging in, head to the support section and click on the phone icon for RSA.

This will directly initiate a call to a trusted RSA partner, ensuring a quick and efficient response to user's needs.

Ather connect's app is designed to make your Ather experience as convenient and hassle-free as possible, so the user can enjoy your ride with complete peace of mind.

#### **44. Setting up a public fast charger in a society**

To request a grid installation for user's society or location, they can email Ather at [athergrid@atherenergy.com](mailto:athergrid@atherenergy.com). The user should include the location details, such as the address and any nearby facilities. Ather's team will then inspect the site to determine if a grid is feasible and will get in touch with the user to provide further information.

Ather aims to make charging an Ather scooter as convenient and accessible as possible. Ather energy is committed to working with the users to make that a reality.

#### **45. Scooter and charger warranty details**

A step-by-step guide to help the user view the warranty details of their Ather scooter using the Ather mobile app:

1. Open the Ather mobile app on your smartphone or tablet.
2. Log in to your account using your email address / Phone no. and password.
3. Once you're logged in, click on the profile icon located in the bottom right corner of the app.
4. From the profile menu, select the "Settings" option.
5. Scroll and click on "Purchase Terms."
6. Users will be taken to a page that displays all the terms and conditions of their scooter's purchase, as well as the warranty details.

7. Users can scroll through the document to view the specifics of your warranty, including the duration, coverage, and any exclusions or limitations.

For any questions or concerns about warranty, users can also reach out to Ather's customer support team for further assistance.

#### **46. Ather App**

Ather app is the companion mobile application available on both iOS and android operating system. The app enhances the experience of riding an Ather vehicle and makes it a truly intelligent connected system. Ather app helps the user by providing several features like find a charger, locate my scooter, trip planner, ride insights, navigation. Users can see the current range on the Ather connect app.

Vehicle Monitoring:

- Ather app could be used to monitor scooter's battery level and charging progress real-time
- Find a charger helps users locate public chargers nearby their scooter.
- Locate my scooter feature helps users navigate to their scooter when they are away from their scooter.
- Personalized charging reminders reads users' charging habits and provide personalized reminders to charge your vehicle.

Statistics:

- Ride insights feature provides the user with interesting and useful statistics about their rides. It provides statistics like top speed, average speed, distance, time taken, efficiency.
- Ride insights also lets the users know their fuel savings and CO2 emissions reduced.

Navigation:

- Trip planner is a very useful tool when planning a trip with single or multiple stops. If the user wants to plan a long ride they can use the trip planner feature to plan their ride accordingly. It also suggests public chargers to stop by if required. Trip planner is a great feature to use when planning a long distance trip, even between cities.
- Integration with google maps allows users to use navigation and access real time traffic data.
- Send to scooter feature sends destination from your phone to scooter dashboard directly for a seamless experience. Users can also push locations using whatsapp.

Stay connected:

- Use bluetooth to listen to music, take or reject calls
- Advanced call handling lets you manage calls across multiple apps on dashboard
- Auto reply - select preset messages as reply instead of pulling up mid-ride

Miscellaneous:

- Ather app can also be used to store important documents like driving license, insurance. One can also raise tickets to Ather support using the app.

#### **47. Safety**

- Ather's scooters are prioritized for safety and tested thoroughly. Ather employs intelligent battery management system (BMS) which monitors battery's health, temperature and charge levels preventing overcharging and overheating.
- Ather's roadside assistance offers aid in roadside emergencies
- Ather also incorporates features such as fallsafe, which provides safety in case of the scooter falling. Emergency Stop Signal (ESS) alerts people in case of panic braking.

#### **48. Purchasing Methods**

Pre-book: You would first need to reserve an Ather by booking a fully refundable amount of ₹2500. The booking token money will be adjusted against the final amount you pay to complete your purchase. Your order would then be created. Depending on your order's sequence in the queue and our delivery schedule, you will be notified via email or call whenever your order is ready for purchase completion.

Payment modes include UPI, Card, Netbanking, Wallet, and EMI.

- UPI: Pay with UPI QR by scanning from apps like Google Pay, PhonePe, Paytm, Bhim UPI or with UPI ID/ Mobile Number or using Phone Number
- Cards: Credit Card or Debit Card
- Netbanking: All banks are supported for online banking payment mode like Airtel Payments Bank, Allahabad Bank, AU Small Finance Bank, Bank of Baroda Retail Banking, Bandhan Bank, Bank of India, Central Bank of India, City Union Bank, Canara Bank, Union Bank of India (Erstwhile Corporation Bank), Catholic Syrian Bank, Development Bank of Singapore, DCB Bank, Dhanlaxmi Bank, Equitas Small Finance Bank, Federal Bank, Fincare Small Finance Bank, HDFC Bank, IDBI, ICICI Bank, IDFC First Bank, Indian Bank, Indusind Bank, Indian Overseas Bank, Jammu and Kashmir Bank, Jana Small Finance Bank, Karnataka Bank, Kotak Mahindra Bank, Karur Vysya Bank, Lakshmi Vilas Bank - Retail Banking, Bank of Maharashtra, NSDL Payments Bank, PNB (Erstwhile - Oriental Bank of Commerce), Punjab & Sind Bank, Punjab National Bank- - Retail Banking, RBL



Bank, State Bank of Bikaner and Jaipur, State Bank of Hyderabad, State Bank of India, State Bank of Mysore, State Bank of Travancore, Standard Chartered Bank, South Indian Bank, Saraswati Co-operative Bank, State Bank of Patiala, SVC Co-Operative Bank Ltd., Syndicate Bank, Tamilnadu Mercantile Bank, Union Bank of India, UCO Bank, Ujjivan Small Finance Bank, PNB (erstwhile-United Bank of India), Axis Bank, Bank of Baroda - Retail Banking (erstwhile Vijaya Bank), Yes Bank.

- Wallet: Different wallet payments are supported like PhonePe, Amazon Pay, Mobikwik, Freecharge, Airtel Payments Bank, Ola Money (Postpaid + Wallet), Jio Money, PayZapp.
- EMI:
  - i. Cardless and other EMI options include axio.
  - ii. Credit card EMI options include HDFC Bank (starting from INR 227/month), ICICI Bank (starting from INR 122/month), RBL Bank (starting from INR 121/month), Citibank (starting from INR 122/month), Kotak Mahindra Bank (starting from INR 122/month), IndusInd Bank (starting from INR 121/month), HSBC (starting from INR 154/month), Standard Chartered Bank (starting from INR 224/month), Yes Bank (starting from INR 122/month), Bank of Baroda (starting from INR 122/month), Federal Bank (starting from INR 121/month), OneCard (starting from INR 122/month), IDFC First Bank (starting from INR 121/month).

Current Offers: Ather Electric December offer is valid till 31 December. This comprises attractive cash benefits upto INR 6500, EMI interest savings upto INR 12000, complimentary ather battery protect worth INR 7000.

- Avail upto ₹10000 Cashback on Credit Card EMIs available across ICICI Bank, HDFC Bank, IDFC First Bank, IndusInd Bank, AU Small Finance Bank, OneCard, Federal Bank and Bank of Baroda.
- EMI starts at INR 2739 with flexible tenures ranging from 12 - 60 months.
- Zero down payment options available on 2W loans.

Loan and Lease: Ather has six loan partners - IDFC First Bank, HDFC Bank, ICICI Bank, Cholamandalam, Jana Small Finance Bank and Hero FinCorp, who will help finance your purchase in all cities. We're also in talks to on-board more partners. We will partner with Autovert to offer a lease option across all cities.

Exchange: Currently, Ather isn't running any exchange offers for the all new Ather 450X and Ather 450 Plus.

Payment Gateway: Ans. Payments done to Ather are secured by Razorpay.Trusted Business.

#### **49. Urban Commute by Ather**

The Ather 450 series scooter has an impressive range of upto 110 kilometers on a singlefull charge. The Ather 450S has an IDC range of 115 kms and a TrueRange of 90 kms

The Ather 450X (HR) has an IDC range of 150 kms and the TrueRange is 110 kms.

The Ather 450X (LR) has an IDC range of 111 kms and the TrueRange is 90 kms.

Ather Energy provides a range of charging solutions for electric vehicles. The 3 types of available solution to alleviate range anxiety are

i) Ather Grid is a public charging network for electric vehicles, which is available in cities across India, It offers fast charging (up to 4 kW). It is the largest two-wheeler fast charging network in India.

ii) Home Charging: Ather Energy offers a home charging solution for its electric scooters, which allows users to charge their vehicles at home or in their office. This charger comes bundled with the scooter.

iii) Ather neighborhood charger : Ather's initiative is to provide charging solutions in shared private spaces such as apartments and offices. We take care of the hassle of installing a charger, so the user has to worry less and can go ahead, buy an Ather scooter.

A 6.4kW PMSM motor brings out the true power of electric. It glides at the top speed with an instant torque of 26 Nm. No jerks, no vibrations, no quivers, just thrills.

The chassis of the Ather 450 series is made of a sturdy aluminum alloy, No other EV two-wheeler can boast such a robust chassis material. This not only makes these scooters lighter but also adds a touch of futuristic sophistication to the rides.

With onboard navigation through google maps, live traffic view, multi-stop trip planner and more are features of mobile add on named Ather Connect.

It also allows users to download a digital copy of their documents including the registration certificate and driving license. Documents can be downloaded on a smartphone and stored in the scooter digitally.

All these features and more makes ather a urban commute friendly scooter.

#### **50. Rural Commute by Ather**

The Ather 450 series scooter has an impressive range of upto 110 kilometers on a singlefull charge. The Ather 450S has an IDC range of 115 kms and a TrueRange of 90 kms

The Ather 450X (HR) has an IDC range of 150 kms and the TrueRange is 110 kms.

The Ather 450X (LR) has an IDC range of 111 kms and the TrueRange is 90 kms.

Ather Energy provides a range of charging solutions for electric vehicles. The 3 types of available solution to alleviate range anxiety are

1) Ather Grid is a public charging network for electric vehicles, which is available in cities across India, It offers fast charging (up to 4 kW). It is the largest two-wheeler fast charging network in India.

2) Home Charging: Ather Energy offers a home charging solution for its electric scooters,

which allows users to charge their vehicles at home or in their office. This charger comes bundled with the scooter.

- 3) Ather neighborhood charger : Ather's initiative is to provide charging solutions in shared private spaces such as apartments and offices. We take care of the hassle of installing a charger, so the user has to worry less and can go ahead, buy an Ather scooter.

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The chassis of the Ather 450 series is made of a sturdy aluminum alloy, No other EV two-wheeler can boast such a robust chassis material. This not only makes these scooters lighter but also adds a touch of futuristic sophistication to the rides.

With onboard navigation through google maps, live traffic view, multi-stop trip planner and more are features of mobile add on named Ather Connect.

It also allows users to download a digital copy of their documents including the registration certificate and driving license. Documents can be downloaded on a smartphone and stored in the scooter digitally.

Ather has great suspension. You can do off roading or ride on bad roads without any issues. It's built for Indian roads. The scooter is exceptionally well put together with a 50-50 weight balance, it is a well-balanced scooter and is great for zipping through traffic.

## **51. Ather Battery Lifespan**

The life of the battery depends on its usage. The number of kilometers, driving style, charging behavior, and a few other factors impact the battery life. However, on average, Ather batteries are expected to last for 5 years or more, with over 70% capacity. This data is based on our internal testing vehicles and on-road vehicles. We provide a battery warranty of 3 years for unlimited km – the battery will be replaced under warranty if it dips below 70% capacity.

The Ather Battery pack has a warranty of 5 years or 60000 kms, whichever comes first, with a performance assurance of 70% which is an industry first (Available only in Pro pack). The battery life is approximately 2000 charging cycles. ie. With a True Range of ~100 Kms, it will power rides up to 2,00,000 Kms.

100% coverage against defects & failures which Covers any and all possible electronic failures in the battery The way a warranty should.. There's no limit to your riding experience. Which is why, your claim amounts won't be limited either. Idle state assurance covers any and all possible electronic failures in the battery.

## **52. Ride Modes**

The electric scooter also has four riding modes - Eco, Ride, Sports, and Warp - to choose from depending on your needs.

Ather scooters offer five ride modes, each catering to a different riding style and need:

1. Warp Mode: This is the most powerful mode, offering the fastest acceleration and top range 75 km (450x, 3.7 kWh) and Warp- 60 km(450x, 2.9 kWh). Use it for short bursts of excitement or when you need to get somewhere in a hurry.

2. Sport Mode: This mode provides a good balance of power and efficiency. It's perfect for everyday riding, with a top range of 85 km(450x, 3.7 kWh) and 70 km(450s,2.9 kWh & 450x, 2.9 kWh ). You'll get a good range on a single charge in this mode.

3. Ride Mode: This is the most balanced mode, offering moderate power and acceleration with a toprange of 90 km(450x, 3.7 kWh ) and 75 km(450s, 2.9 kWh & 450x, 2.9 kWh ). It's a good choice for most situations, providing a comfortable and enjoyable riding experience.

4. Eco Mode: This mode prioritizes efficiency over power, with a top range of 105 km(450x, 3.7 kWh ) and 85 km(450s,2.9 kWh & 450x, 2.9 kWh ). You'll get the maximum range on a single charge in this mode, making it ideal for long commutes or when you're running low on battery.

5. SmartEco Mode: This mode automatically adjusts the power and acceleration based on your riding conditions, such as your speed and battery level. It's a good option if you're not sure which mode to use or if you want to maximize your range while still having some fun. It gives a top range of 110 km(450x, 3.7 kWh ) and 90 km(450s,2.9 kWh & 450x, 2.9 kWh )

The best mode for you will depend on your individual needs and preferences. If you're looking for the most power and speed, Warp Mode is the way to go. But if you're more concerned about range, Eco Mode is the best choice. And if you want a good balance of both, Sport Mode or Ride Mode are good options.

### **53. Core specs & features**

Performance :

1. the power(peak) is 5.4kW for Ather 450S 2.9kWh Battery, and 6.4kW for both Ather 450X 2.9kWh Battery and Ather 450X 3.7kWh Battery
2. Max torque of 22 Nm for Ather 450S 2.9kWh Battery, and 26 Nm for both Ather 450X2.9kWh Battery and Ather 450X 3.7kWh Battery
3. Top speed of 90km/h for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery
4. It picks up Acceleration (0-40 km/h) in 3.9 s for Ather 450S 2.9kWh Battery and 3.3 s for both Ather 450X 2.9kWh Battery and Ather 450X 3.7kWh Battery
5. Gradeability at peak power is 18 degrees for Ather 450S 2.9kWh Battery and 20 degrees for both Ather 450X 2.9kWh Battery and Ather 450X 3.7kWh Battery
6. It has a Motor type of PMSM for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery
7. It has Ingress protection (motor) of IP66 for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery

8. It has Ingress protection (controller) IP65 for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery

Range : Certified range is 115 km for Ather 450S, 111 km for Ather 450X 2.9 kWh Battery version and 150 km for Ather 450X 3.7 kWh battery version.

Battery :

- i) Ather 450s - 2.9 kWh
- ii) Ather 450 X has 2 types : 2.9 kWh and 3.7 kWh

Battery type is Lithium-ion battery with a 51.1 V Nominal voltage and has a IP67 Water & dust resistance code with a pack casing of Aluminum alloy for all variants namely Ather 450S 2.9 kWh Battery, 450X 2.9 kWh Battery, 450X 3.7 kWh Battery

Charging:

Ather 450S with 2.9kWh Battery and Ather 450X 2.9 kWh Battery charge in 6 hr 36 min from 0-80%, and 8 hr 36 min for (0-100%) at home charging and also go 1.5 km/min in (0-50% SOC) and 1 km/min for (50-80%) at an Ather Grid.

Ather 450X with 3.7kWh Battery charge in 4 hr 30 min from 0-80%, and 5 hr 45 min for (0-100%) at home charging and also go 1.5 km/min in (0-50% SOC) and 1 km/min for (50-80%) at an Ather Grid.

Tyres & wheels

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each have Wheel type as Alloy wheels, Wheel size (front) as 30.4 cm x 5.4 cm (12"x 2.15"), Wheel size (rear) as 30.4 cm x 6.3 cm (12"x 2.5"), Tyre size (front) as 90/90-12 tubeless tyres respectively.

Tyre size (rear) for Ather 450S 2.9 kWh Battery is 90/90-12 tubeless tyres and for Ather 450X 2.9 kWh Battery and Ather 450X 3.7 kWh Battery is 100/80-12 tubeless tyres

Brakes:

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each have Braking system as Combined braking system & regenerative braking and Brake type (front) as Hydraulically actuated triple-piston calliper disc and Brake type (rear) as Hydraulically actuated single-piston calliper disc and Disc size (front) as 20 cm and Disc size (rear) as 19 cm and Braking distance (60-0 km/h) as 28.6 m respectively.

Transmission

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each has transmission Type as belt drive and Transmission ratio as 7.8:1.

Suspension

Suspension & frame for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each comprises Front suspension with Telescopic forks and Rear suspension with Symmetrically mounted progressive monoshock and Frame type with Precision machined hybrid chassis and Frame materials with Aluminum as well as steel respectively.

Peripherals & convenience for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each have LED Headlights, and LED Taillights and led Indicators and park assist and Side stand motor cut-off and 22L Boot storage and Pillion grab handle made of Aluminum respectively.

Dimensions & storage for All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each has Length of 189.1 cm, and Width of 73.9 cm, and Height of 111.4 cm, and Wheelbase of 129.6 cm, and Ground clearance of 17 cm, and Seat height of 78 cm, and F:R weight ratio of 48:52 and Water wading limit of 30 cm respectively. Ather 450S 2.9 kWh battery and Ather 450X 2.9 kWh battery has kerb weight 108 kg while Ather 450X 3.7 kWh battery has kerb weight of 111.6 kg.

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, have dashboard comprising of operating system as Android Open Source OS (AOSP) and 5:3 Aspect ratio and IP765 water & dust resistance respectively. Ather 450S 2.9 kWh battery comprise of Snapdragon 212 Quadcore 800Mhz Processor and 8 GB storage and 1 GB RAM, and screen size cum type of 17.7 cm (7") DeepView display and brightness of 500 Nits. Ather 450S 2.9 kWh battery doesn't have touchscreen. Ather 450X 2.9 kWh battery and Ather 450X 3.7 kWh battery, both comprise of Snapdragon 212 Quadcore 1.3Ghz Processor and 16 GB storage and 2 GB RAM, and screen size cum type of 17.7 cm (7") TFT touchscreen and a capacitive touchscreen type and resolution of 800x480 pixels and 16M colours and brightness of 800 Nits respectively.

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery have colour variation of Space Grey, Still White, Salt Green, Cosmic Black. Lunar grey, true red is also available for 450X 2.9 kWh Battery, 450X 3.7 kWh Battery.

All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery have warranty with Vehicle warranty of 3 years/30,000 km whichever is earlier and Charger warranty of 3 years and Battery warranty of 3 years/30,000 km whichever is earlier.

## **54. Ather Pro**

For All variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery have Pro option which will each give features of Interactive UI, Dashboard auto brightness, AutoHold™, Auto Indicator cut-off, Guide-me-home lights, Vehicle FallSafe™, Coasting Regen, Emergency Stop Signal (ESS), Call & Music control respectively.

Pro also consists of Ather Connect features like Ather App™ features, Tow & The Notifications, Find my scooter, Ride Stats, Push Navigation, savings trackers, ather labs across all three variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery respectively.

But inter-city trip planner and document storage is only available in ather pro version of 450X 2.9 kWh Battery and Ather 450X 3.7 kWh Battery.

For all variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each has Atherstack OTA updates available in ather pro.

For all variants namely Ather 450S 2.9 kWh Battery, Ather 450X 2.9 kWh Battery, Ather 450X 3.7 kWh Battery, each have Atherstack battery protect which comprises of 5 years or 60000 km whichever is earlier is also available in ather pro.

## **Incentives**

Faster Adoption and Manufacturing of Hybrid and Electric Vehicles (FAME II), is a scheme launched by the Government of India to give a boost to development of Electric Vehicles. This is important considering the efforts to combat climate change across the globe.

Thus, the Ather 450X 3.7 kWh will have a subsidy price reduction of approximately 22500 rupees and the Ather 450X 2.9 kWh will have a subsidy price reduction of approximately 21500 rupees and the Ather 450S 2.9kWh will have a subsidy price reduction of approximately 21000 rupees.

Apart from there are tax benefits for purchasing an electric vehicle, that can be availed by buying an Ather scooter.

## **Dashboard(HMI)**

450X dashboard is a stunning 7 inch LCD touchscreen. With built-in google maps 450X dashboard makes navigation a seamless experience. Dashboard is connected to the Ather app which helps users stay connected at all times. Users can not only pick up or decline the calls but also manage calls on different apps.

Users can also store documents like driving license and insurance on their dashboard. The HMI has 2GB RAM and 16GB of storage.

Users can also view their ride information on the dashboard including speedometer data, odometer data, trip distance, range in different modes.

450S dashboard consists of a deepview display and comes with joystick to navigate on the screen.

Deepview display shows turn by turn navigation. The joystick is tactile and designed for ergonomic comfort

## **Design**

Ather 450X boasts of a sporty design which is optimized for performance. Ather scooters are built to last 8-10 years.

## **Smart Features**



In the AutoHold feature, The built-in sensors on the vehicle automatically detects slope and holds the scooter without the rider having to hold brakes.

The Ather 450 is the world's\* only scooter with Google Maps (as on 7th Jan 2023). Introducing 3D perspective, live traffic view, tap to navigate to a location and faster loading time with higher resolution for precise navigation.

Park Assist can be used to glide out of tight parking spots, in either reverse or forward direction. 22L of Boot Space for all the user's needs.

Auto Indicator cut off after sensing a turn.