

Ather scooter specifications.

Performance	Ather 450 Plus	Ather 450X
Power (continuous / peak)	3.3 kW / 5.4 kW	3.3 kW / 6.2 kW
Max torque	22 Nm	26 Nm
Top speed (actual)	80 km/h	80 km/h
Top speed (display)	90 km/h	90 km/h
Acceleration (0-40 km/h)	3.9 s	3.3 s
Gradeability	18 degrees	20 degrees
Riding modes	Sport Ride Eco Smart Eco	Warp Sport Ride Eco Smart Eco
Motor type	PMSM	PMSM
Ingress protection (motor)	IP66	IP66
Ingress protection (controller)	IP65	IP65

Range

TrueRange® (Eco)	85 km	105 km
TrueRange® (Ride)	70 km	85 km
TrueRange® (Sport)	60 km	75 km
TrueRange® (Warp)	-	65 km
Certified range	108 km	146 km

Charging

Home charging	Ather Dot or Portable charger	Ather Dot or Portable charger
0-80% (Home charging)	4 h 30 min	4 h 30 min
0-100% (Home charging)	5 h 40 min	5 h 40 min
Public fast charging	Ather Grid	Ather Grid
Fast charging rate (0-50% SOC)	1 km/min	1.5 km/min
Fast charging rate (50-80% SOC)	1 km/min	1 km/min

Battery

Installed capacity	3.7 kWh	3.7 kWh
Usable capacity	2.6 kWh	3.24 kWh
Battery type	Lithium-ion, 21700 cell	Lithium-ion, 21700 cell
Nominal voltage	51.1V	51.1V
Water & dust resistance	IP67	IP67
Pack casing	Aluminum alloy	Aluminum alloy

Transmission

Type	Belt drive
Transmission ratio	7.8:1

Tyres & wheels	Ather 450 Plus	Ather 450X
Wheel type	Alloy wheels	
Wheel size (front)	12" x 2.15"	
Wheel size (rear)	12" x 2.5"	
Tyre size (front)	90/90-12 tubeless tyres	
Tyre size (rear)	100/80-12 tubeless tyres	

Brakes

Braking system	Combined braking system & regenerative braking
Brake type (front)	Hydraulically actuated triple-piston calliper disc
Brake type (rear)	Hydraulically actuated single-piston calliper disc
Disc size (front)	200 mm
Disc size (rear)	190 mm
Braking distance (60-0 km/h)	28.6 m

Suspension & frame

Front suspension	Telescopic forks
Rear suspension	Symmetrically mounted progressive monoshock
Frame type	Precision machined hybrid chassis
Frame materials	Aluminum and steel

Peripherals & convenience

Headlights	LED
Taillights	LED
Indicators	LED with auto turn-off feature
Parking assist	Reverse Assist
Side stand motor cut-off	Yes
Boot storage	22 L
Pillion grab handle	Aluminium

Colours

All colours	Space Grey
	White
	Mint Green

Dimensions & storage

Length	1837 mm
Width	734 mm
Height (with mirrors)	1250 mm
Wheelbase	1295 mm
Ground clearance	153 mm
Seat height	780 mm
Kerb weight	111.6 kg
F:R weight ratio	53.3 : 58.3 kg (48:52)
Water wading limit	300 mm

Display + touchscreen dashboard	Ather 450 Plus	Ather 450X
Processor	Snapdragon 212 Quadcore 1.3Ghz	
Storage	16GB	
RAM	2GB	
Operating system	Android Open Source OS (AOSP)	
Screen size & type	7 inch TFT touchscreen LCD, LED backlit	
Touchscreen type	Capacitive	
Resolution	800 x 480 pixels	
Colours	16M	
Brightness	800 Nits	
Aspect ratio	5:3	
Switches	Horn, Start, Mode, Indicator, High beam, Motor kill	
Water & dust resistance	IP65	

Smart features

Positioning system	GNSS with AGPS	
Connectivity	4G LTE Cat-4 /WCDMA / EDGE	
Bluetooth	-	Bluetooth 4.2
Features	-	Music & calls
	Auto indicator off	
	Guide-me-home light	
	Time based adaptive screen brightness & themes	

Warranty

Vehicle warranty	3 years/30,000 km
Battery warranty	3 years/unlimited km

Accessories

Smart accessories	-	TPMS
Standard accessories	Side step*	Side step*

*Coming soon

Subscription features

Ather Connect	On-board maps & navigation
	Document storage
	Connected mobile app
	Over-the-air dashboard improvements
	Ride statistics on the Ather app
	Remote location tracking
	Remote charge monitoring
	Push location from Ather app



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