

Ather 450X specifications.

Ather 450X

Ather 450 Plus

Performance

Power (continuous / peak)	3.3 kW / 6 kW	3.3 kW / 5.4 kW
Max torque	26 Nm	22 Nm
Top speed	80 km/h	80 km/h
Acceleration (0-40 km/h)	3.3 s	3.9 s
Gradeability	20 degrees	18 degrees
Riding modes	Warp Sport Ride Eco	Sport Ride Eco
Motor type	PMSM	PMSM
Ingress protection (motor)	IP66	IP66
Ingress protection (controller)	IP65	IP65

Range

TrueRange™ (Ride)	70 km	60 km
TrueRange™ (Eco)	85 km	70 km
Range (Indian Drive Cycle)	116 km	100 km

Charging

Charging unit	Ather Dot (or) Portable charger	Ather Dot (or) Portable charger
0-80% (home charging)	3 h 35 min	3 h 35 min
0-100% (home charging)	5 h 45 min	5 h 45 min
Fast charging rate (0-50% SOC)	1.5 km/min	1 km/min
Fast charging rate (50-80% SOC)	1 km/min	1 km/min

Battery

Installed capacity	2.9 kWh	2.9 kWh
Usable capacity	2.6 kWh	2.23 kWh
Battery type	Lithium-ion, 21700 cell	Lithium-ion, 21700 cell
Water & dust resistance	IP67	IP67
Pack casing	Aluminium alloy	Aluminium alloy

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Transmission

Type	Belt drive
Transmission ratio	7:8:1

Tyres & wheels

Wheel type	Alloy wheels
Wheel size (front)	30.48 cm x 5.46 cm (12" x 2.15")
Wheel size (rear)	30.48 cm x 6.35 cm (12" x 2.5")
Tyre size (front)	90/90-12 tubeless
Tyre size (rear)	90/90-12 tubeless

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

Front suspension	Telescopic forks
Rear suspension	Symmetrically mounted progressive mono-schock

Peripherals

Headlights	LED
Taillights	LED
Indicators	LED with auto turn-off feature
Parking assist	Reverse Assist

Colours

White
Space Grey
Mint Green

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Dimensions & storage

Kerb weight	108 kg
F:R weight ratio	48 : 52
Seat height	780 mm
Boot capacity	22 l

Display + touchscreen dashboard

Processor	Snapdragon 212 Quadcore 1.3Ghz, 1GB RAM, 8GB storage	
Operating system	Android Open Source OS (AOSP)	
Screen size & type	17.78 cm (7") TFT, LED-backlit, capacitive touch	
Water & dust resistance	IP65	

Smart features

Positioning system	GNSS with AGPS	GNSS with AGPS
Connectivity	4G LTE Cat-4 / WCDMA / EDGE	4G LTE Cat-4 / WCDMA / EDGE
Bluetooth	Bluetooth 4.2, BLE 5.0	-
Dashboard	Over-the-air-updates Onboard navigation Auto indicator off Side stand sensor Guide-me-home lights Connected mobile app Time based adaptive screen brightness & themes	

App based smart features

Mobile app	Ride Stats Push navigation Live location & vehicle state tracking Music & call control	Ride Stats Push navigation Live location & vehicle state tracking
Smart accessories support	* Welcome lights Tyre Pressure Monitoring System (TPMS)	-

*Will be implemented soon through over-the-air updates.



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