

Core specs & features

	450S	450X	450X
	2.9kWh Battery	2.9kWh Battery	3.7kWh Battery
Performance			
Power (peak)	5.4 kW	6.4 kW	6.4 kW
Max torque	22 Nm	26 Nm	26 Nm
Top speed	90 km/h	90 km/h	90 km/h
Acceleration (0-40 km/h)	3.9 s	3.3 s	3.3 s
Gradeability at peak power	18 degrees	20 degrees	20 degrees
Motor type	PMSM	PMSM	PMSM
Ingress protection (motor)	IP66	IP66	IP66
Ingress protection (controller)	IP65	IP65	IP65
Range			
Certified Range*	115 km	111 km	150 km [‡]
Battery			
Installed capacity	2.9 kWh	2.9 kWh	3.7 kWh
Battery type	Lithium-ion	Lithium-ion	Lithium-ion
Nominal voltage	51.1V	51.1V	51.1V
Water & dust resistance	IP67	IP67	IP67
Pack casing	Aluminum alloy	Aluminum alloy	Aluminum alloy
Charging			
Home Charging [†]			
0-80%	6 hr 36 min	6 hr 36 min	4 hr 30 min
0-100%	8 hr 36 min	8 hr 36 min	5 hr 45 min
Ather Grid™ access	Yes	Yes	Yes
0-50% SOC	1.5 km/min	1.5 km/min	1.5 km/min
50-80% SOC	1 km/min	1 km/min	1 km/min
Tyres & wheels			
Wheel type	Alloy wheels	Alloy wheels	Alloy wheels
Wheel size (front)	30.4 cm x 5.4 cm (12"x 2.15")	30.4 cm x 5.4 cm (12"x 2.15")	30.4 cm x 5.4 cm (12"x 2.15")
Wheel size (rear)	30.4 cm x 6.3 cm (12"x 2.5")	30.4 cm x 6.3 cm (12"x 2.5")	30.4 cm x 6.3 cm (12"x 2.5")
Tyre size (front)	90/90-12 tubeless tyres	90/90-12 tubeless tyres	90/90-12 tubeless tyres
Tyre size (rear)	90/90-12 tubeless tyres	100/80-12 tubeless tyres	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)	20 cm		
Disc size (rear)	19 cm		
Braking distance (60-0 km/h)	28.6 m		
Transmission			
Type	Belt drive		
Transmission ratio	7.8:1		
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		
Tailights	LED		
Indicators	LED		
Park Assist™	Yes		
Side stand motor cut-off	Yes		
Boot storage	22L		
Pillion grab handle	Aluminium		
Dimensions & storage			
Length	189.1 cm	189.1 cm	189.1 cm
Width	73.9 cm	73.9 cm	73.9 cm
Height	111.4 cm	111.4 cm	111.4 cm
Wheelbase	129.6 cm	129.6 cm	129.6 cm
Ground clearance	17 cm	17 cm	17 cm
Seat height	78 cm	78 cm	78 cm
Kerb weight	108 kg	108 kg	111.6 kg
F:R weight ratio	48:52	48:52	48:52
Water wading limit	30 cm	30 cm	30 cm
Dashboard			
Processor	Snapdragon 212 Quadcore 800Mhz	Snapdragon 212 Quadcore 1.3Ghz	Snapdragon 212 Quadcore 1.3Ghz
Storage	8GB	16GB	16GB
RAM	1GB	2GB	2GB
Operating system	Android Open Source OS (AOSP)	Android Open Source OS (AOSP)	Android Open Source OS (AOSP)
Screen size & type	17.7 cm (7") DeepView™ Display	17.7 cm (7") TFT touchscreen	17.7 cm (7") TFT touchscreen
Touchscreen type	-	Capacitive	Capacitive
Resolution	-	800 x 480 pixels	800 x 480 pixels
Colours	-	16M	16M
Brightness	500 Nits	800 Nits	800 Nits
Aspect ratio	5:3	5:3	5:3
Water & dust resistance	IP65	IP65	IP65
Colours			
	Space Grey, Still White, Salt Green, Cosmic Black	Space Grey, Still White, Salt Green, True Red, Cosmic Black, Lunar Grey™	Space Grey, Still White, Salt Green, True Red, Cosmic Black, Lunar Grey™
Warranty			
Vehicle warranty	3 years/30,000 km whichever is earlier		
Charger warranty	3 years		
Battery warranty	3 years/30,000 km whichever is earlier		
Unlock all the smarts, all the intelligence, with <div>Pro⚡</div>			
Bundle in Pro* with your scooter at the time of purchase to get a sweetened deal.			
RideAssist™			
Riding modes	4	5	5
TrueRange™ Display	SmartEco™ - 90 km Eco - 85 km Ride - 75 km Sport - 70 km	SmartEco™ - 90 km Eco - 85 km Ride - 75 km Sport - 70 km Warp™ - 60 km	SmartEco™ - 110 km Eco - 105 km Ride - 90 km Sport - 85 km Warp™ - 75 km
Interactive UI	Yes	Yes	Yes
Dashboard auto brightness	Yes	Yes	Yes
AutoHold™	Yes	Yes	Yes
Auto Indicator cut-off	Yes	Yes	Yes
Guide-me-home lights	Yes	Yes	Yes
Vehicle FallSafe™	Yes	Yes	Yes
Coasting Regen	Yes	Yes	Yes
Emergency Stop Signal (ESS) [‡]	Yes	Yes	Yes
Call & Music control	Yes	Yes	Yes
Ather Connect™			
Navigation	Turn by turn	Google Maps	Google Maps
Document Storage	-	Yes	Yes
Ather App™ features	Yes	Yes	Yes
Tow & Theft Notifications	Yes	Yes	Yes
Find my scooter	Yes	Yes	Yes
Ride Stats	Yes	Yes	Yes
Push Navigation	Yes	Yes	Yes
Inter-city Trip Planner™	-	Yes	Yes
Savings trackers	Yes	Yes	Yes
Ather Labs™	Yes	Yes	Yes
Atherstack™			
OTA Updates	Yes	Yes	Yes
Ather Battery Protect™			
5 years or 60,000 km whichever is earlier	Yes [†]	Yes [†]	Yes