NEO's

Move Smart

As well as being one of the biggest names in scooters, Yamaha has also been designing and building electric vehicles for many years. No other brand can match this record. So it will come as no surprise that the electric NEO's and the NEO's Dual Battery models are ready to open a new era in zero emission urban mobility for everyone. Both models are available in Milky White and Midnight Black.

The new NEO's combines Yamaha's renowned quality and reliability with contemporary design and the very latest electrical drive system. Its compact chassis and natural riding position make the NEO's ideal for getting through busy city streets. And an underseat 50.4V battery powers the direct-drive hub-mounted electric motor for smooth and responsive acceleration.

- Smooth, quiet and efficient electric power
- Direct drive hub-mounted electric motor
- Quick and controllable acceleration
- Universal riding position for any size and experience
- Removable Yamaha lithium-ion battery
- NEO's Dual Battery model with extended range also available
- Selectable ride modes
- Ultra-quiet running
- Simple, compact and universal styling
- Connectivity via Yamaha MyRide app
- Jet helmet underseat storage
- Stylish and easy to read LCD instruments
- Smart Key keyless system
- Full LED lighting

Stay connected by downloading Yamaha's free MyRide app to your smartphone and you'll be able to receive various information about the vehicle on your phone – and NEO's will display alerts for incoming calls and new messages on the LCD instruments. A full battery gives around 37km* range and can be fully charged in around 8 hours** from flat – and you can fit an optional second battery for increased range. New NEO's: Move Smart. (*Tested in WMTC Class 1 in STD mode, fully charged battery at a temperature of 25°C. **Charging times may vary depending on the charging environment.)

Move Smart

This is an ideal time to consider efficient new urban mobility solutions. The way everybody moves around the city is undergoing a massive transformation as people turn away from congested public transport and look for a simple and accessible way to live, work and move in the city. And the new NEO's is ready for you right now.

Yamaha has been developing and producing electric vehicles for three decades – as well as being recognized as one of the world's most respected manufacturers of high-quality scooters – so you can be sure that the stylish new NEO's comes with attractive design, the latest technology and first-class reliability.

Comfortable, agile and easy to ride, this new generation Yamaha scooter is powered by a lithium-ion battery and driven by a hub-mounted electric motor that gives you strong and controllable acceleration – but with zero emissions and a super quiet ride! New NEO's: Move Smart.

NEO's

Smooth, quiet and efficient electric power

Simple, stylish and easy to use, the new NEO's electric scooter has the potential to transform the way you live and move in the city by making every journey smoother, easier and more enjoyable! New NEO's combines proven Yamaha quality with low running costs and the many benefits of electric power.

Direct drive hub-mounted electric motor

For maximum efficiency the NEO's is equipped with the latest generation Yamaha Integrated Power Unit (YIPU) that features an air-cooled brushless electric motor located inside the rear wheel hub. This compact direct drive design eliminates the need for gears or belts and ensures smooth running, strong acceleration and extremely quiet operation.

Quick and controllable acceleration

As soon as you pull away on the NEO's you'll feel its smooth power delivery and precise control at all speeds. Yamaha has taken extra care to ensure that the throttle design provides you with a smooth, confident feeling when accelerating from a standstill and when riding in slow moving traffic – making this electric scooter an ideal choice for all riders.

Universal riding position for all sizes and experience

Featuring a relaxed and upright riding position, the new generation electric NEO's is the ideal vehicle for riders of all ages, sizes and experience who are looking for a responsible and accessible alternative to the car and public transport. And with its simple twist-and-go performance, easy agility and high levels of comfort, this is the smartest choice in zero-emission urban mobility.

Removable Yamaha lithium-ion battery

NEO's is supplied with a single high density 50.4V/19.2Ah lithium-ion battery giving a range of 37km* – and range can be extended by purchasing an optional second battery. Located beneath the dual seat for easy access, the 8kg battery is designed to maintain a high level of efficiency for 1000 cycles/10,000km, and charging can be carried out with batteries fitted to the scooter or when removed. (*Tested in WMTC Class 1 in STD mode, Fully charged battery at a temperature of 25°C.)

Extended riding range

The NEO's Dual Battery model gives you an extended riding range for longer distance urban commuting. Equipped with two portable 50.4V/19.2Ah lithium-ion batteries that can be charged while fitted to the scooter or easily removed and charged at your home or office, the NEO's Dual Battery gives you a potential range of up to 68km*. *Tested in WMTC Class 1 in STD mode, fully charged battery at a temperature of 25°C.

Chassis	
Front travel	90mm
Caster angle	25°30′
Front suspension system	Telescopic fork
Frame type	Underbone
Diameter of brake disk(Front)	200mm
Rear tyre	130-70-13M/C 63P Tubeless
Front brake	Hydraulic single disc brake
Rear Travel	80mm
Rear suspension system	Swingarm
Front tyre	110-70-13M/C 48P Tubeless
Trail	84mm
Rear brake	Mechanical leading trailing drum brake

Motor	
Battery fixation	Removable
Nominal power	2.3kW/424r/min
Battery type	Lithium ion
Maximum torque	136.0N·m(13.9kgf·m)/50r/min
Energy Consumption(WMTC Class1)	31Wh/km
Battery dimension	360mm(L)x215mm(D)x105mm(H)
Electric motor type	Excitation 3 phase synchronized motor
Charger type	Wall charger 220VAC; Output 58.8V, 3A
Maximum power	2.5kW(3.4PS)/400r/min
1st Battery Range (WMTC Class 1)	37km
1st Battery Range, Eco mode	38.5km: This range changes by place, riding style and battery degradation.
Charging time (0-100%)	8 hours: Charging time may vary depending on the charging environment
1st and 2nd Battery Range	68 km: This range changes by place, riding style and battery degradation.
Total number of battery packs installed	1
Maximum number of battery packs	2
Battery weight	8.0kg
Battery voltage, capacity	50.4V, 19.2Ah (5HR)
Charging time (20-80%)	4 hours: Depending on use conditions and battery degradation, charging time may change.

Dimensions	
Minimum ground clearance	135mm
Overall length	1875mm
Seat height	795mm
Overall width	695mm
Vehicle weight (without battery)	90kg
Wheelbase	1305mm
Overall height	1120mm