

MODENAS
MEV-1
PRO



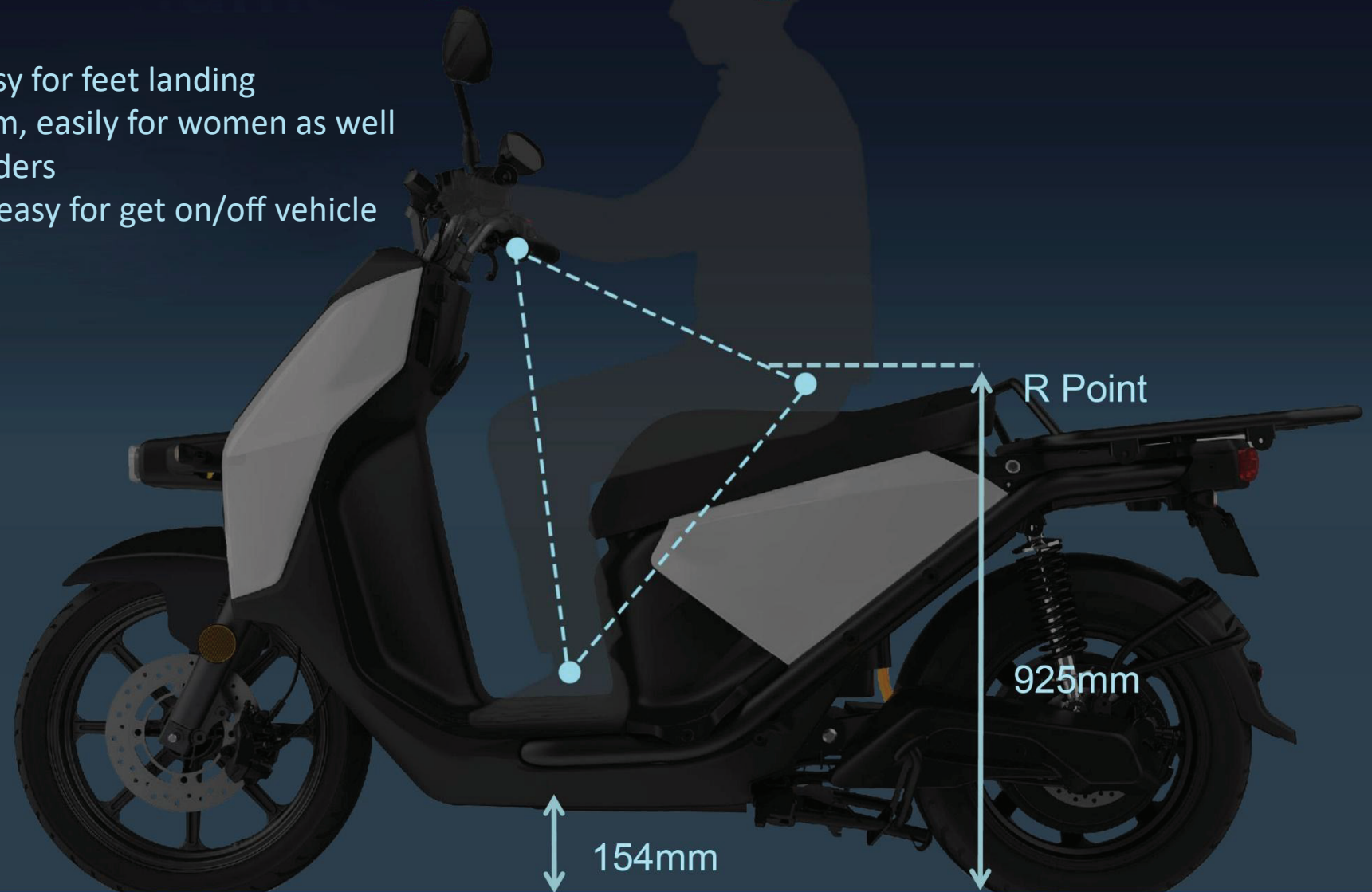
Streamlined Design

- Front cover with Modenas gene, full sense of technology
- Modern fashion body design



Ergonomic human engineering

- Comfortable seat curve, easy for feet landing
- Seat height (R point) 925mm, easily for women as well
- Suitable for 160 – 190cm riders
- Ground clearance 154mm, easy for get on/off vehicle



LCD large-size screen

- Large-size digital display
- Real time speed monitor display
- Real time battery status display
- Cumulative kilometers display
- L/R indicator display



LED Lighting System

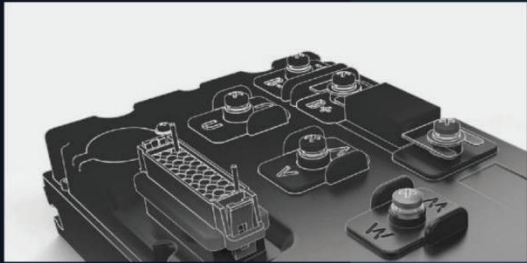
- Bright eye in the dark night—Telescope LED headlight



Advanced frequency conversion control system

Space vector frequency conversion technology(FOC)

- Space vector electromagnetic control system, activate the natural sports gene.
- High torque efficiency ratio, low power system loss, more energy saving.
- Low torque ripple, effective current harmonic suppression, bring better NVH experience.
- Direct torque control, achieve maximum torque output, fast dynamic response, bring stable control, high efficiency riding.
- Vector controller V3.0, increase 16% of input power



- Input power increased 16%

BMS double batteries management system



- Intelligent monitoring of battery status, prevent over charging & over discharge. Prolong the battery life
- Overload intelligent power off protection, Motor conductor short circuit protection, High voltage insulation protection, Undervoltage protection, 4G IOT battery stolen location
- Parallel dual power improves the reliability of the power system and make full use of the capacity provided by the battery pack
- Parallel dual power can effectively alleviate the uneven current distribution and reduce the risk of overload of the battery pack making maintenance easier.
- Equipped with low loss high efficiency LLC 900W charger.




✓ Smart

✓ Safety

✓ Relieved

Powerful system

- Performance upgrade: Peak torque 4.9KW, Max speed 85km/h
- 0-50km/h: 5.6s(for one driver)
- Hub IPM motor innovative design brings high reluctance torque, motor rotor high-precision magnetic coding position tracking control more fine
- The strong, safe, high-tech configuration is the perfect companion for everyday riding

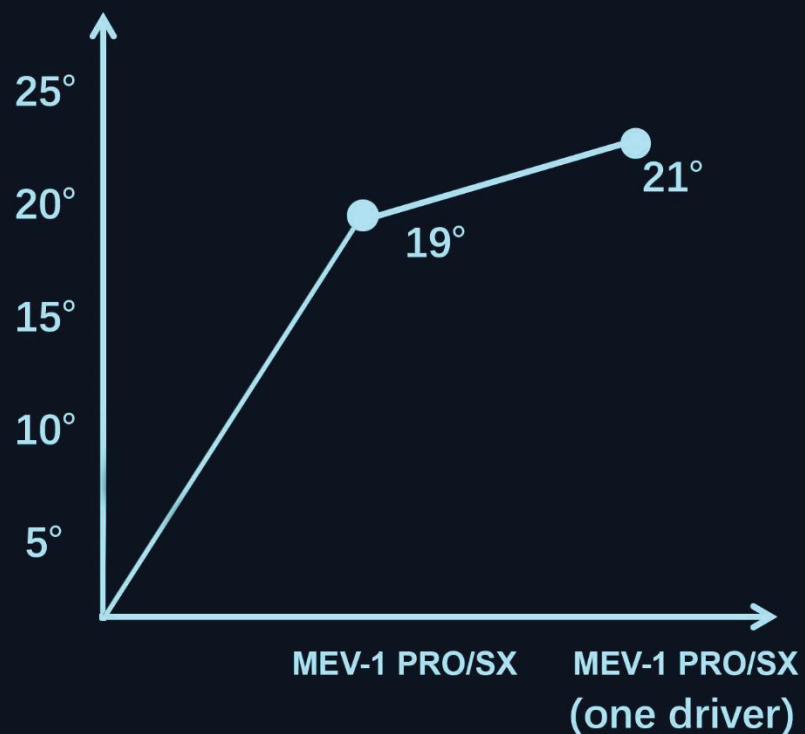
Model			
MEV-1 PRO/SX	85 _{Km/h} MAX. Speed	4.9 _{kW} Engine Peak Power	135 _{Km*} Distance Range

*WMTC Stage 3, with 2 batteries



Climbing performance upgrade

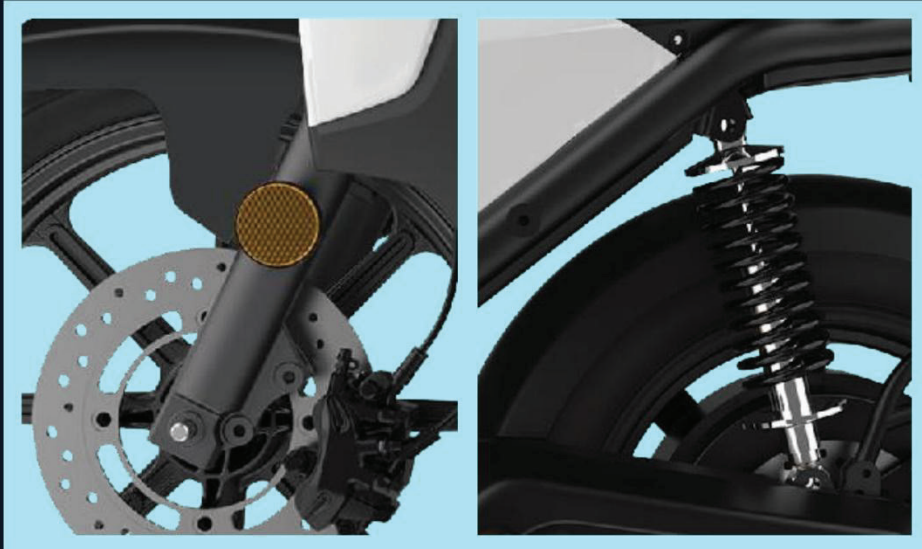
- Rear wheel torque 210Nm
- MEV-1 PRO/SX $\leq 19^\circ$
- MEV-1 PRO/SX with one driver Up to 21°



Hydraulic damping Suspensions

Adjustable for different road conditions

- Fr. 380 Rr.280
- Hydraulic damping reduce vibrations on bad road conditions
- More comfortable while riding



CBS Braking System

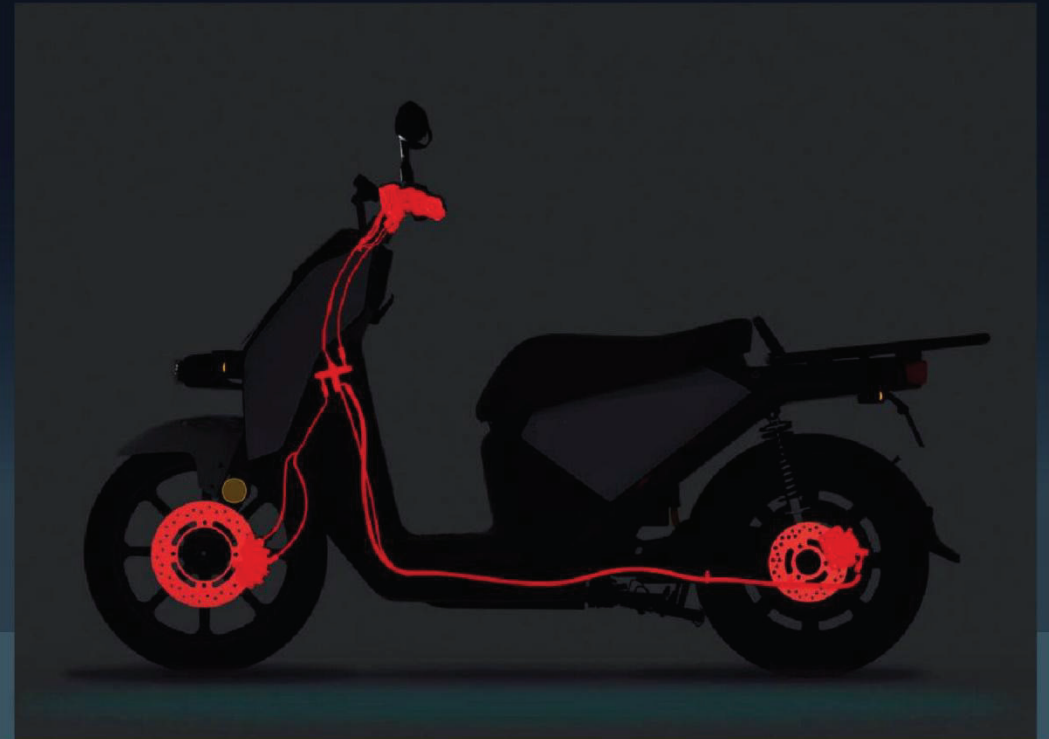


- Wheel hub: Fr. MT 2.15X16 aluminium alloy
- Tyre: Fr. 100/80-16

- Wheel hub: Rr. MT 2.5X14 aluminium alloy
- Tyre: Rr. 110/80-14

CBS with double calipers

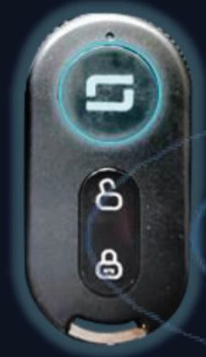
- Fr. disk $\phi 240$, Rr. disk $\phi 180$
- Better braking performance
- Safer for rider



Intelligent sensor system

Easy operation

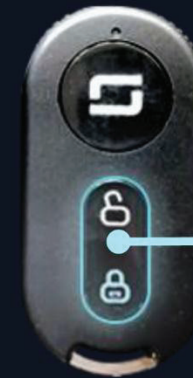
- Electronic intelligent remote control
- One push start
- Alarm function
- Find your vehicle function



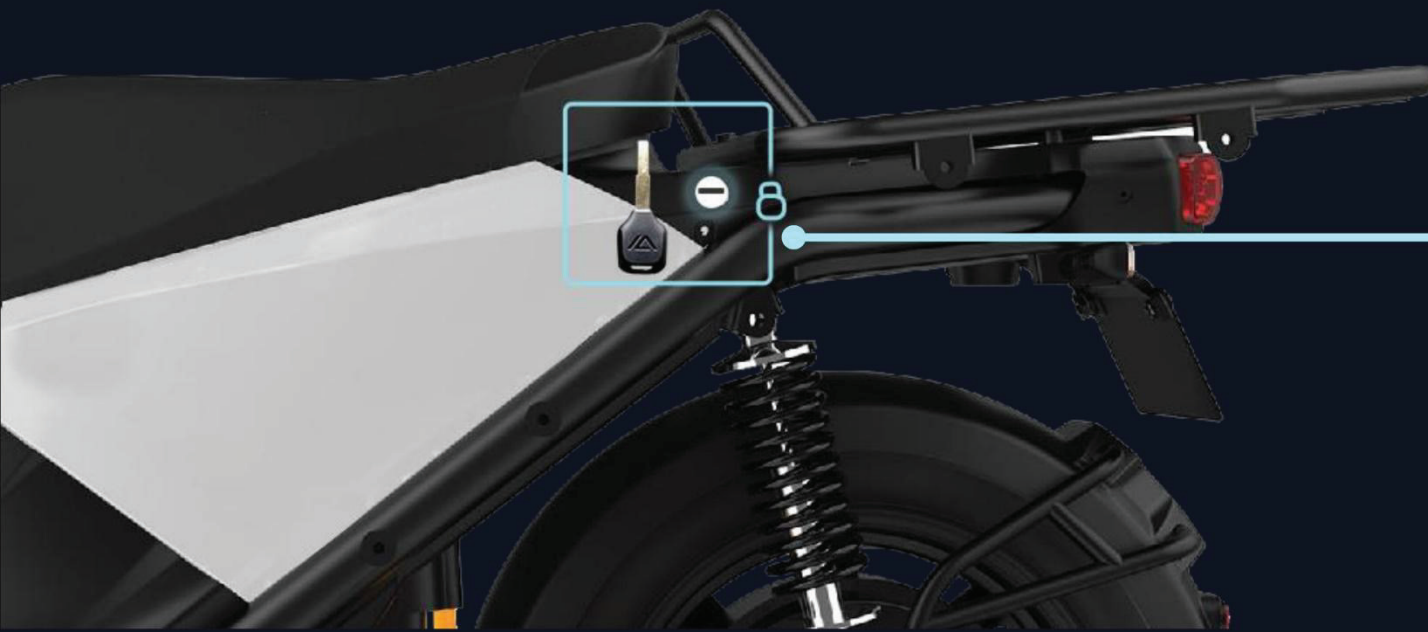
Triple anti-theft lock



Steering handle lock



- Fix handle position
- Seat lock
- Electronic anti-theft



Seat lock

Efficient charging

- Charging power 0.9Kw
- Automatic identify capacity, charge both batteries at the same time
- One battery 3.5h, double batteries 7h
- CE approved



CE

135km
MEV-1 PRO/SX

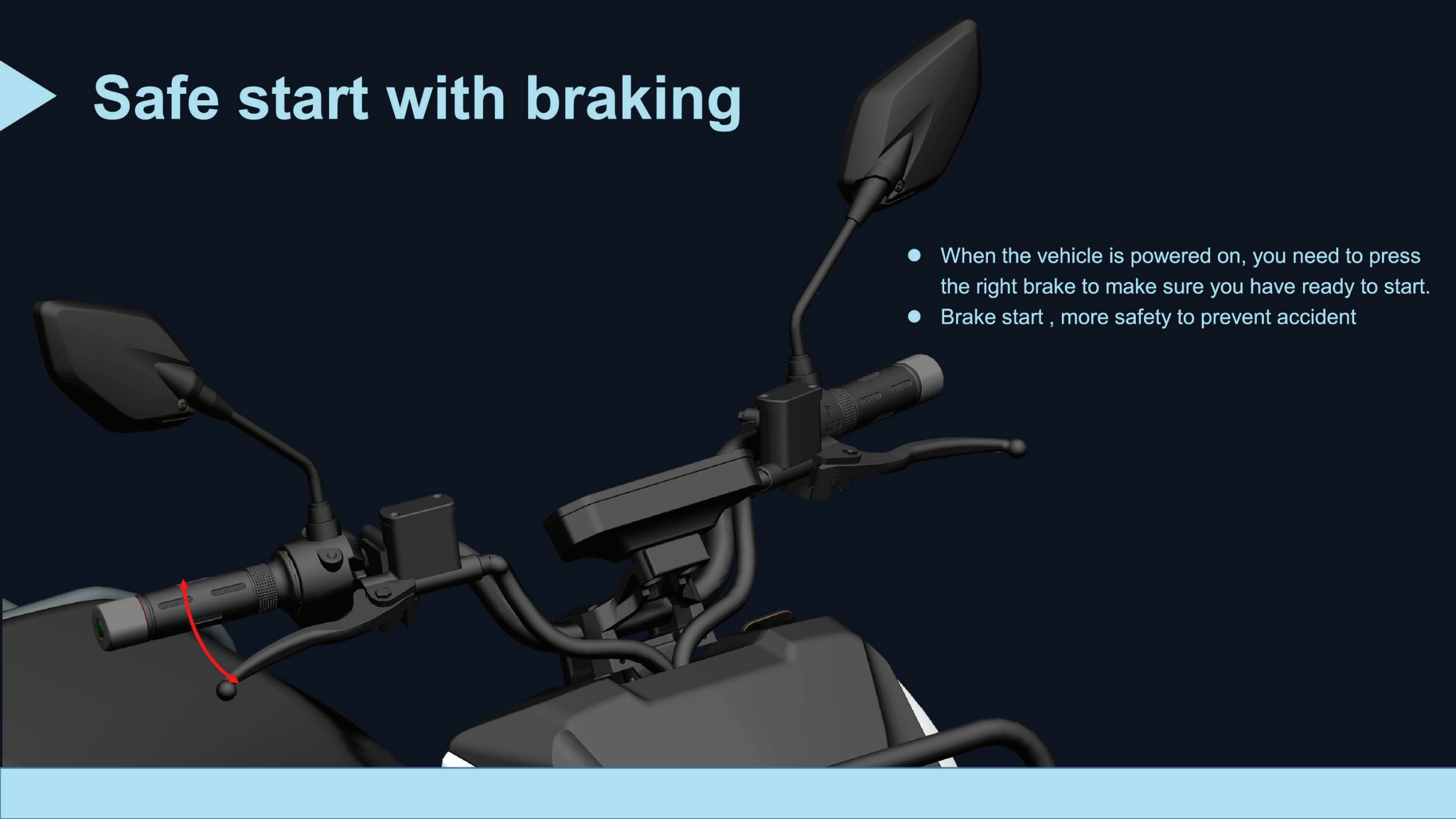


Range



Safe start with braking

- When the vehicle is powered on, you need to press the right brake to make sure you have ready to start.
- Brake start , more safety to prevent accident



Motor waterproofing class



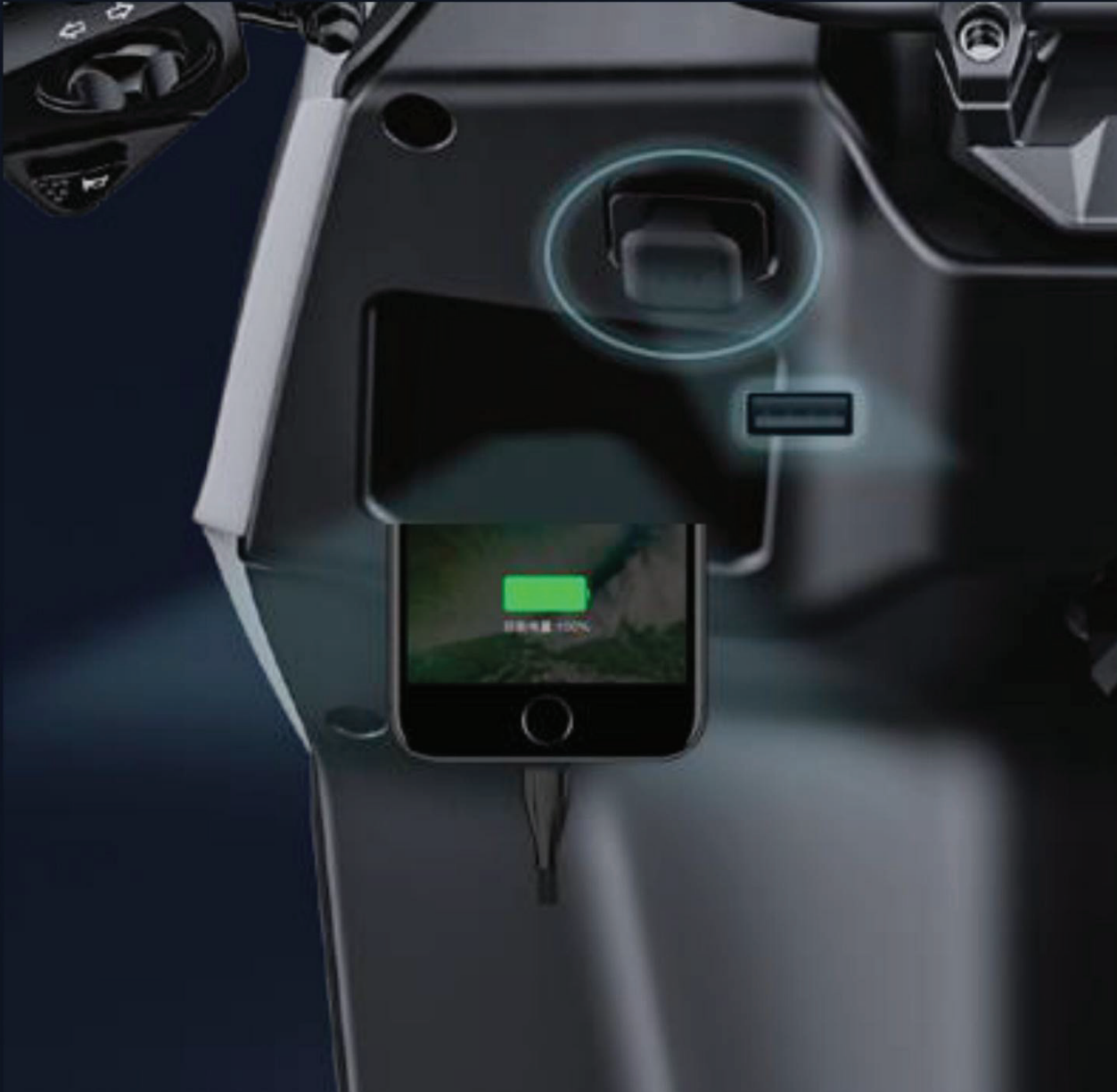
- Waterproofing class upgrade to IP67

Fast changing for quick-wear parts



Changing tyre

- Only need four bolts to remove the tyres.



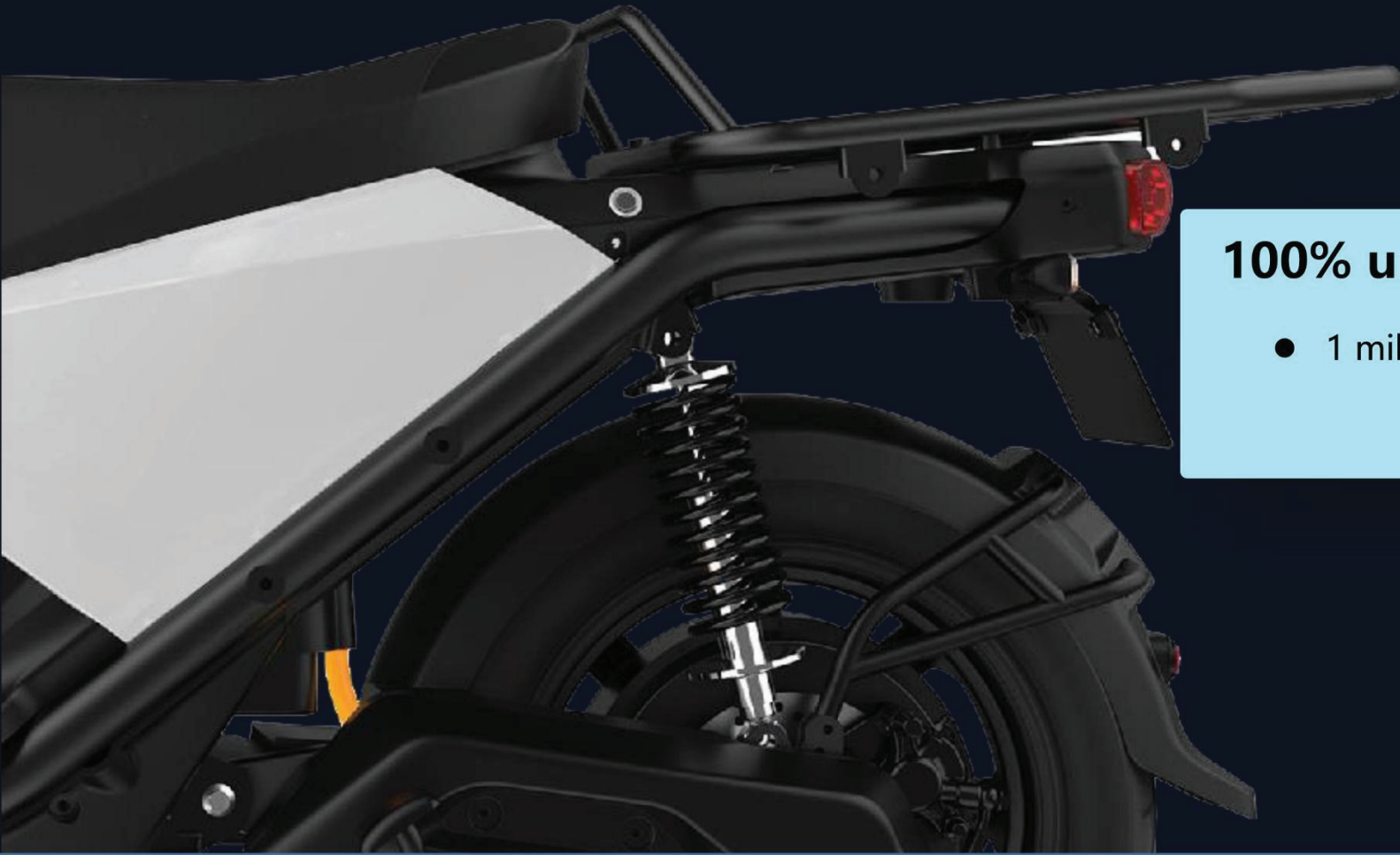
USB charging port

Full of energy anytime and anywhere

- USB
- Glove box for storage



Carbon steel carrier



100% urban mobility must have

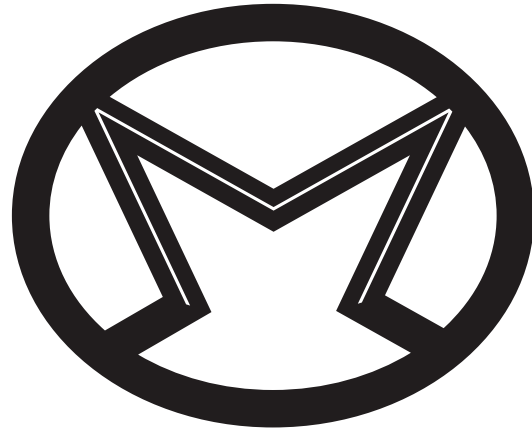
- 1 million times vibration test

Specification

Performance	
Range	135km*
Top Speed	85 km/h
Charger	On Board
Charging Time	3.5 hours (1 Battery)
Battery Capacity	60V 45Ah (Opt. 2 Batteries)
Battery Type	ATL lithium
Peak Torque	258 Nm
Motor Power	4.3 kW (EEC) 4.9 kW (Max Peak Power)
Dimension	
Overall LxWxH	2,049mm x 727mm x 1,141mm
Wheelbase	1,366 mm

Ground Clearance	154 mm
Seat Height	760 mm
Weight	145 kg
Climbing Angle	19°
Chassis	
Front Suspension	Telescopic
Rear Suspension	Hydraulic Shock Absorber
Front Tyre	100/80-16
Rear Tyre	110/80-14
Front / Rear Brake	Hydraulic Disc, Combined Braking System (CBS)

*WMTC stage 3



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