

INTRODUCING THE FIRST AUTOMATIC POWERTRAIN FOR E-BIKES

RIDE EASY!



niche.
MOBILITY

EASY RIDE

INTRODUCING THE FIRST AUTOMATIC POWER-TRAIN FOR E-BIKES

THE POWERTRAIN DESIGNED AND ENGINEERED FOR URBAN COMMUTING



REDUCE
FATIGUE



REDUCE
MAINTENANCE



SMOOTHEN
THE RIDE



EASY
RIDE

VERSATILE PERFORMANCE

- 250W or 450W electric assistance
- 25, 45 or 60kmh configuration
- DIGITAL TRANSMISSION: Automatic gear shifting (infinitely variable)
- Up to 80km range
- ANTI-THEFT SYSTEM
- Regenerative and reverse gear



DRIVE SYSTEM TECHNICAL FEATURES SAY GOODBYE TO MANUALLY SHIFTING GEARS

> MOTOR

Mid motor with 250 or 450 Watts of assistance (peak power of 2.000 Wats) and **assistance up to 25, 45 or 60kmh**. Digital transmission system intregated, working like and Automatic Continuously Variable transmission. **Multiple sensors** (speed, slope, torque..) feeds data to **BCU** (Bicycle Control Unit) modifying the gear ratio instanly and continuously to set the perfect configuration for the rider.

> BATTERY

Integrated or removable **450Wh and 650Wh battery** with integrated **BCU** and embedded **4G and bluetooth IOT module**.

> DASHBOARD

2" TFT screen with different displays. The colour display is **easy to read** in every situation due to transflective design. Current data and system information is displayed on 4 changeable screens (speed, odo, cadence, consumption, instant power...).

> APP

The smart system connects the e-bike. Smart system featurres can be **controlled** through **the app**, including customization of the e-bike to the needs of the rider at any time. It can be used as a full display, tracking the most important data, but also updating the system with over-the-air updates, anti-theft protection, localization and wireless blocking the bike.



INTRODUCING THE “ADTS”



The **Automatic Digital Transmission System** (ADTS) Infinitely variable ratio is done digitally. No mechanical gears shifting. Seamlessly, virtually and continuously the system modifies the ratio to set the perfect configuration for the rider (depending on speed, slope, selected map...) . Here the advantatges:

DIGITAL TRANSMISSION
RIDE EASIER

No discrete gears, no moving mechanisms, but digi- tally changing the gear ratio infinitely and continu- ously to set the perfect point in any situation. Do nothing, just pedal! The system will do it for you to move **smoother, effortless** and with much more **ease**.

REGENERATIVE BRAKING
DOWN-HILLING CHARGING

Recharge your battery by down-hilling. As simple and easy as that. Your e-bike will also be charging the batteries when braking.

REVERSE GEAR
EFFORTLESS MOVEMENT

Sometimes moving backwards can be tricky. **Make it easy** by pushing a single button or pedalling backwards.

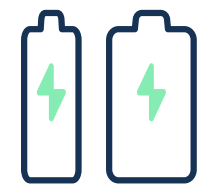
EASY RIDE

FEATURES

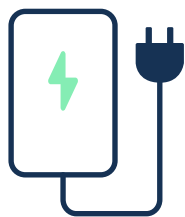
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|-------------------|-------------------|
| DIGITAL GEARBOX | REGEN BRAKE |
| REMOVABLE BATTERY | 4 POWER MODES |
| 4G & BLUETOOTH | ANTI-THEFT SYSTEM |
| OTA UPDATES | REVERSE GEAR |
| RIDER PROFILES | |

VERSIONS

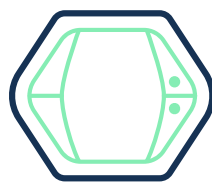
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|-------|-------|-------|
| 450Wh | 650Wh | |
| 250W | 450W | |
| 25kmh | 45kmh | 60kmh |



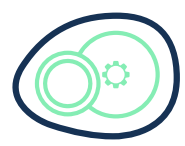
BATTERIES



CHARGER



DISPLAY



POWER UNIT



It's all about Easy Rides!

DRIVE SYSTEM TECHNICAL SPECIFICATIONS
ADVANCED MOBILITY



SPECIFICATIONS / PERFORMANCE
Move fast, move smooth, move easy

Motor weight	3,6kg
Motor Peak Power	up to 2.000W
Motor Nominal Power	250W, 450W
Motor Max Torque	120Nm
Gearbox	Automated infinite variable
Max speed	25, 45, 60 kmh
Battery weight	2,6kg, 3,2kg
Battery capacity	450Wh, 650Wh
System Voltage	48V
System IP Level	IP66

**>> Evolutioned system
for evolutioned bikes**



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www.niche-mobility.com