



## unu Scooter Factsheet

### unu riding

- Range up to 50 km, 100 km with two batteries – depending on driving style
- Top speed 45 km/h – regardless of motor power or remaining battery charge
- Constant top speed (only when the battery has less than 5% of charge remaining the top speed is reduced)
- Almost silent riding

### Equipment

- Seven different body colours and three colours of seat fabric available
- Seating allows for the external attachment and secure locking of two helmets
- Lengthened seat has more room for two riders
- Space for two batteries beneath the seating unit
- Two-year warranty on unu and battery subject to regular maintenance inspections

### Technology and motor

- Brushless electric hub motor by Bosch
- Outputs 1000 Watt, 2000 Watt and 3000 Watt (top speed independent of motor power)
- Maximum climb capability (solo rider)
  - 1000 W : 17 %
  - 2000 W : 20 %
  - 3000 W : 24 %
- Acceleration (0 - 45 km/h)
  - 1000 W : 17 s
  - 2000 W : 14 s
  - 3000 W : 12 s

- Brakes → Hydraulic disc brake at the front, drum brake at the rear
- KERS (Kinetic Energy Recovery System) → Extended range through recovery of braking energy – up to 10%
- Heidenau tyres (made in Germany)

## Dimensions

- Overall length 170 cm, height 103 cm (without mirrors), width 66 cm
- Weight approx. 58 kg without battery (67 kg including battery)
- Maximum load 150 kg
- 10 inch wheel rims (tyre size 3.00-10)

## Authorization

- Authorized for two persons
- Certified by the TÜV Rheinland inspection authority
- Requires in Germany either a full driving license or a 'Class M' permit
- Authorized in Germany, Austria and Switzerland
- Maintenance inspection costs → 70 - 100 € (depending on service partner)

## Insurance (estimated annual cost)

- Germany < 23 years old 75 €, > 23 years old 40 €
- Austria 133 €
- Switzerland < 25 years old 150 CHF, > 25 years old 125 CHF

## Delivery

- In Germany, Austria, The Netherlands and France included in price
- In Switzerland 149 CHF

## Driving licence

- Germany → AM (B accepted)
- Austria → AM (B accepted)
- Switzerland → A1 (B accepted, if issued prior to 01.04.03 / otherwise 8 h 'motorcycle basics' instruction required)



## unu battery Factsheet

### Abstract

- Up to 50 km range on a single battery charge
- Battery weight approximately 9 kg
- Portable

### General information

- Recharging at any standard (230 V) electricity outlet without noise
- Cells protected by a brushed aluminium housing
- Recharging at any time, no 'memory effect'
- Lithium ion battery
- 50,4 V / 28,5 Ah → Charging time approximately 5 h (70 % charge after approx. 2 h)
- Average consumption approximately 0.80 € per hundred driven km

### Care and storage

#### What can I do to get the maximum range?

- Check tyre pressure (2.5 Bar) → lower pressure → higher energy use
- Anticipatory driving style → Acceleration uses 1/3 more electricity than constant speed driving
- Sudden extreme acceleration increases power consumption even further
- Weight → The heavier the load, the greater the power consumption when accelerating
- 'Stop and Go' traffic has a significant negative effect on driving range
- Temperature → At +10 °C the battery capacity is reduced by 3 %, at -10 °C by 6 %, compared with capacity at +25 °C
- The battery will remain in optimum condition when half-charged







→ If you will not be using your unu for an extended period of time,  
ensure that the battery is half charged  
→ If you must leave your unu outdoors overnight in winter,  
the battery will be happier if kept indoors

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