Estrima S.r.l.

Via Roveredo 20/b 33170 Pordenone (PN), Italy T (+39) 0434 507560 F (+39) 0434 507561 info@estrima.com

www.estrima.com





Birò, the first 100% electric, 4-wheeled personal commuter with removable battery. Ultra compact, eco-friendly, silent. Allowing you to travel freely in the restricted traffic zones of many cities and park easily in scooter spaces.

I'm Easy. BIRÒ



Free to Move.

Birò is the solution to your daily commutes, a four-wheeled electric vehicle that saves you time and stress, combining work and leisure. With Birò, inner-city traffic is no longer a problem. Its compact dimensions allow for easy parking in scooter spaces and easy access to the restricted traffic zones of many cities. Equipped with useful internal compartments, Birò has been designed to be small yet sociable with two seats, side by side, so you can travel with whomever you choose. Fun and comfortable, Birò is fitted with two brushless 100% electric motors to quarantee zero emissions, zero noise pollution, zero petrol consumption. There are so many advantages to a personal commuter that is small, practical and intelligent.





Less is more.

Fun and comfortable,
Birò Big is keyless and uses Birò
Card to open the driver side door
and start the engine.
Birò Big is fitted with two
brushless 100% electric motors
to guarantee zero emissions,
zero noise pollution and zero
petrol consumption. There are so
many advantages to a personal
commuter that is small, practical
and intelligent.







Recharge your Energy. Easy move and Re-Move. Biro's energy is always with you, because

Birò's energy is always with you, because it is the only 4-wheeled personal commuter to be fitted with the patented Re-Move removable battery system. Once your Birò is parked, it is easy to remove the battery unit and take it to your house, or your office, or wherever is most convenient, to recharge your batteries with ease, meaning that you can drive further in a single day. This is a very useful system if you don't have a personal parking space, but it also helps you to organise your travel as efficiently as possible.



Power of Freedom.

Which type of energy works best for you? Now you can choose the battery whose battery life and recharge time suit your lifestyle, and your personal travel requirements.

LITHIUM Re-Move (removable)

Battery life: up to 55km* Charge time: max 2-4h Allows partial recharge Absorption: 1.200W

LITHIUM MAXI

Battery life: up to 100km* Charge time: max 3-6h Allows partial recharge Absorption: 1.200W













Overview

Technical sheet

General features

- · Security frame 3mm thick tubular steel
- · 4 hydraulic disc brakes
- · Openable, tempered-glass sunroof
- · Reversing buzzer
- · Electronic Birò Card · 3 point safety belts
- · 145/60 R13 tyres
- · Lateral rear-view maxi mirrors
- · USB port
- · Two-speed selector + Boost
- $\cdot \, \mathsf{Removable} \, \mathsf{polycarbonate} \, \mathsf{doors} \, \mathsf{with} \, \mathsf{electric} \, \mathsf{lock} \,$
- on the driver side
- $\cdot\,\mathsf{Defrost}\,\mathsf{grid}\,\mathsf{windscreen}$

Electric features

- · 2 Brushless 48 V electric engines
- · Max power: 4 Kw
- · Braking energy's recover
- · 220V battery charger

Performances

- · Maximum legal speed: 45 Km/h
- · Boost (to enjoy more power if you need be)
- · Slopes able to execeed: up to 20%
- · Sudden steer radius:

From the center of the outside wheel: 2800 mm radius Minimum diameter of steering between walls: 6 m



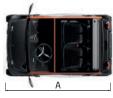
New rear roto-moulded structures Birò with 145/60 R13 front and rear tyres

Dimensions

Dimensions

- · (A) Length: 1.740 mm · (B) Width: 1.030 mm
- · (C) Height: 1.565 mm
- · (D) Height above ground: 190 mm







Frame colours

01









Basic Colours

01 White

02 Green **03** Black



Optional Colours You can choose among 99 colours