

Product Name

Xkuty

Designer

Electric Mobility Company, S.L.

Company Name

Electric Mobilitv Companv. S.L.

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Non available

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**Referring contact
for the Award**

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**Referring contact
for possible exposition in April**

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Description of innovation social values

- product category
- formal and functional features
- problems solved by innovation
 - user
 - field of application

Xkuty One. (Electric moped).

Human beings need to change the way they move. Traditional means of transport and the use of fossil fuels are affecting the climate and degrading our planet. Talking about it is not enough. We need to act and give people the opportunity and the tools to change their habits, but doing it Now. Xkuty design and technology is based on basic principles such as efficiency, cleanliness, sustainability and respect for the environment. It does is in an accessible, intuitive and simple way.

Spark: (Sun Park): The energy storage unit integrated into the SPARK converts the sun into a major source of energy for your Xkuty: you will be able to drive throughout the year without using any other form of energy.

Xkuty Bluetooth Helmet: What matters is inside. Ultra light open face composite helmet with carbon fiber outer shell. Bluetooth connection, keeps you always connected with your environment.

Field of application: short distance mean of transportation. (62% of total human being movements)

Description of technical features

- operations
- technology

Xkuty One.

Motor: Hub brushless without chains.
Lithium ion battery with maximum efficient performance
Range: 25 Mi/30 Mi/60 Mi

Spark: Solar Module
Sunpower 320 wp
Efficiency 20%
Voltage: 54V MPP

iPhone app : The exclusive phone app turns your iPhone into a control hub from which you'll get all the precise information required to run your Xkuty and modify its parameters.

Dimensions

Total lenght: 1,87m Long wheelbase: 1,32m Seat height: 79-85cm

Materials

We have designed Xkuty with a combination of aluminum and composites and only weighs between 42 Kg and 46 kg, depending on its configuration. Much less than any moped.

Certifications

Xkuty One: European Certificate L1e
Xkuty Helmet: ECE/ONU R22.05 approval
Xkuty App: Approval from Apple Inc.

Benefits for environment

- Zero noise pollution
- Zero smoke contamination
- Zero fossil fuels consumption

Benefits for human being

SUSTAINABILITY. In addition to contributing to the cleaning of the environment, eliminating your dependence on fossil fuels you get that sustainability will also help you to save money and time. **ERGONOMOTION.** Xkuty design is based on the constant quest to find the most comfortable position for the driver. We have designed Xkuty to make you easy to move with her. Only weighs 42 Kg So you can handle it just as you like. **ADVANCED SECURITY.** The Xkuty app uses your iPhone gyroscope to detect if your Xkuty has had an accident phoning automatically a previous chosen phone number. The automatic GPS tracking system does the rest.