

Solar Adoption Rise in the 2 Seas

SOLAR ELECTRIC PENDULUM

THE ELECTRIC PENDULUM TRICYCLE is part of a global research project on innovative solutions for urban electric mobility developed at the Laboratory of Innovative Technologies, University of Picardie Jules Verne in Amiens (France). The pendulum device allows overcoming centrifugal forces and a safe higher speed in curves.

Current version



SOLAR PART

Within the SOLARISE project, a **mobile photovoltaic solar station prototype** with removable structures was designed. It includes **4 flexible solar panels**. The structure is retractable by circular translation of solar panels and can be mounted in a modular way on the electric tricycle.

TECHNICAL FEATURES

(CAN BE ADAPTED)

- **MOTOR** Brushless DC motor, 48V – 800W.
- **BATTERY** LiMCN 13S15P 48V × 30 Ah
- **MAXIMUM SPEED** 45 Km/h
- **WEIGHT (WITHOUT DRIVER)** 58 Kg
- **DIMENSIONS (M)** 1.68 × 0.72 × 1.57
- **SOLAR PART** 4 × 65Wp, 560mm x 740 mm

RANGE MEAN VALUE

(CAN BE ADAPTED)

- **WITHOUT SOLAR PANELS** 30 km
- **WITH SOLAR PANELS** 60 km

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