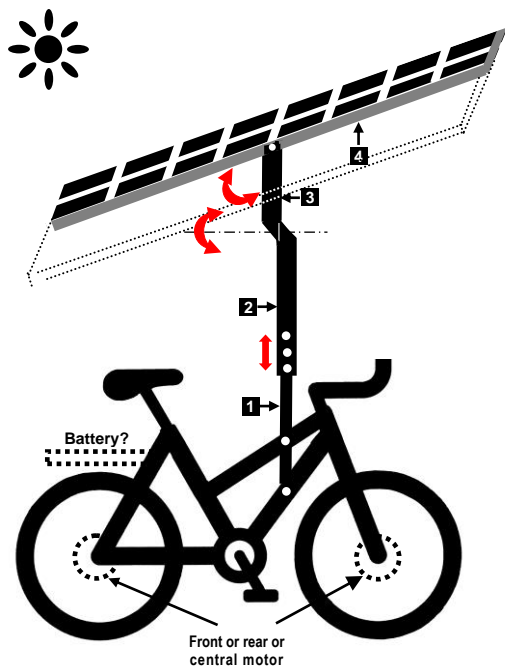




SOLAR BICYCLE; optimized electrical efficiency; operation without (or with) battery



Suggestions to try out:

- aluminum profiles: **1** **2** **3** and **4**
- 32-cell flexible photovoltaic panel delivering 18V / 160W max / ≈ 1.4 x 0.7 m / weight ≈ 3 kg
- universal solar controller ELECDAN CONVERTER; weight: 90g; 450W and 60V max (see sheet 16 "6183")
- lithium battery if desired (ex: 48V / 7.5Ah)
- electric engine 48V / 250W
- **Further information:**
 - ★ the mast tip **3** with 45° perpendicular bevels, runs from left to right on the vertical axis **2**
 - ★ the axial profile **4** runs back and forth on **3**
 - ★ quick choice of panel orientation by locking the 2 nuts on the 2 joint screws
- **Precautions:** adjust panel size to suit wind, environment and traffic conditions.

Examples of Lithium batteries with universal side-integrated solar charger



The standard case of the Universal Solar Regulator, 450W and 60V max (see data sheet 16 "6183") has been enlarged (100 x 50 x 26mm) to directly integrate the 2 standard MC4 connectors, which can be linked to the 2 MC4 connectors of the photovoltaic panel.

The Regulator charges the lithium battery at the chosen voltage, e.g. 29V or 58V, for a "24V / 15Ah" or "48V / 30Ah" battery.

The Regulator can be mounted on a heatsink (chosen according to the power to be processed and the thermal environment), which itself is mounted at ≈3mm on the battery side using a double-sided ≈3mm-thick adhesive.



← Batteries scale: 1/4 →

A few examples of a wide range of applications, as the sun shines, with or without batteries (Solar Direct Drive)

