

The Vélo M2 energy module can be powerd by different renewable energy sources in direct current. One of the sources is human power through pedal generation. The regulation is done by DC/DC converters that are controlling the current flow to the output. The central controller manages the power flow taking into account the state of charge of the battery and the power consumption.

At the time of writing, the regulator and the central controller are in a conceptual stage and need further development. Experts in power electronics and in data communication are invited to collaborate on the realisation of these components.

