

eRoll – Custom Rollable Solar Panel Platform



Application platform for:

Solar airships
Stratospheric balloons
Solar drones and Aircrafts
Solar blimps
Military and Emergency responds
Offgrid and Mobility solar solutions
Solar automotive integrations
Solar blinds and solar sunshades

Putting powerful technology to work

The rollable, flexible and ultra-lightweight Flisom eRoll solar panel platform allows custom designs for OEM applications. The eRoll can be designed for innovation products around Emobility, sunroofs, sunshades, emergency & military applications, stratospheric solar applications, solar chargers, aerospace and highly portable off-grid solutions.

From Concept to Production

Flisom offers engineering services, prototyping and production of customized rollable solar panels. Our engineers work with you on design, engineering and production.



Features

- Rollable solar panels, rolling diameter down to 50mm
- Ultra-low weight, down to 0.2 kg/m²
- Highest power per volume configurations through rollability
- Electrical connection: open terminal or customizable contact situations
- Based on a thin polymeric solar film and laser intercell connection
- Customized fixation possibilities like eyelets
- Uniform black color design possible
- More than 100W per m² – much higher yield than from a-si solar panels
- Quality tested
- Made in Switzerland
- Up to 3m length and 1m width
- Thickness down to 0.15mm