

Nuna11: fossil-free racing on the power of sun and wind

More environmentally friendly solar cells

The 4 m² solar panel is made of silicon cells, which can also be found on roofs. They replace the satellite cells, which are more efficient, but made from the poisonous gallium arsenide.

Sailing on the wind

The specially designed shape converts crosswinds into forward power. On average 30% of the total propulsion.

Downforce through slanted panel

The solar panel is tilted three degrees to create more stability in strong crosswinds.

More aerodynamic with Sharkskin

Due to a special scale skin, Nuna11 has 4% less air resistance. This technique can also be found in skating suits or golf balls.

Self-extinguishing LFP battery

A new step with LFP (lithium-iron-phosphate) instead of Li-ion (lithium-ion). This avoids the scarce raw material cobalt. Thanks to an automatic extinguishing system, the battery extinguishes itself in the event of a fire.

One wheel less

With two wheels on the right and one on the left, Nuna11 has the most aerodynamic shape. A unique asymmetric steering system allows cooperation between the wheels.

Powerful motor controller

For the first time, Nuna has a self-designed motor controller that is both powerful and efficient.

