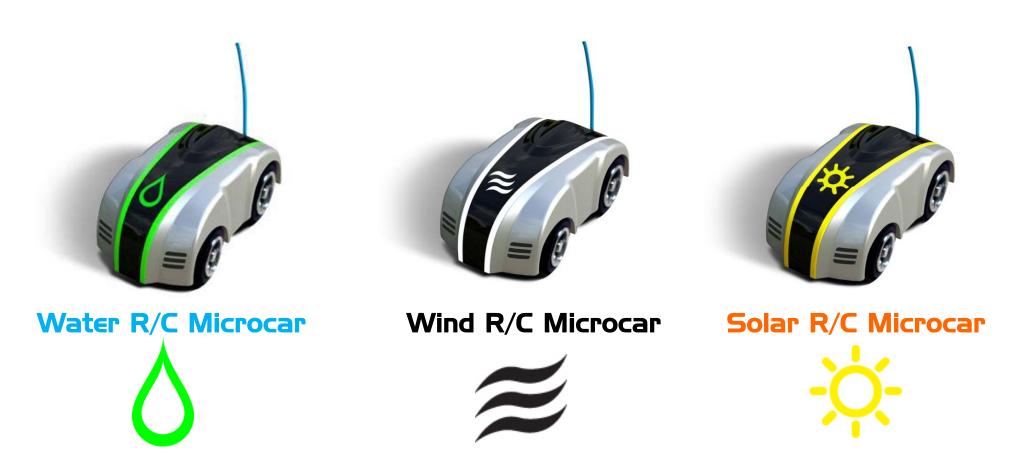






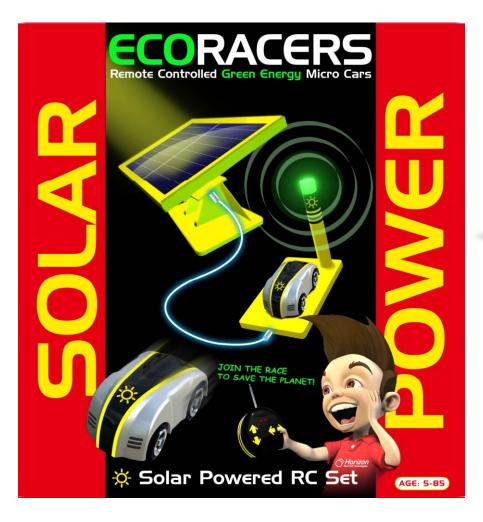


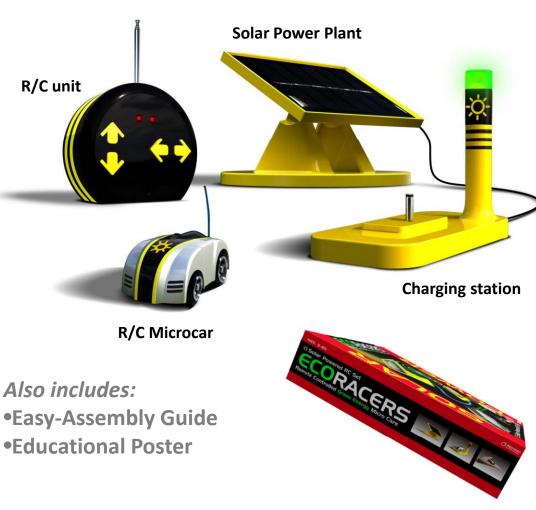
Remote Controlled Green Energy R/C Micro Cars



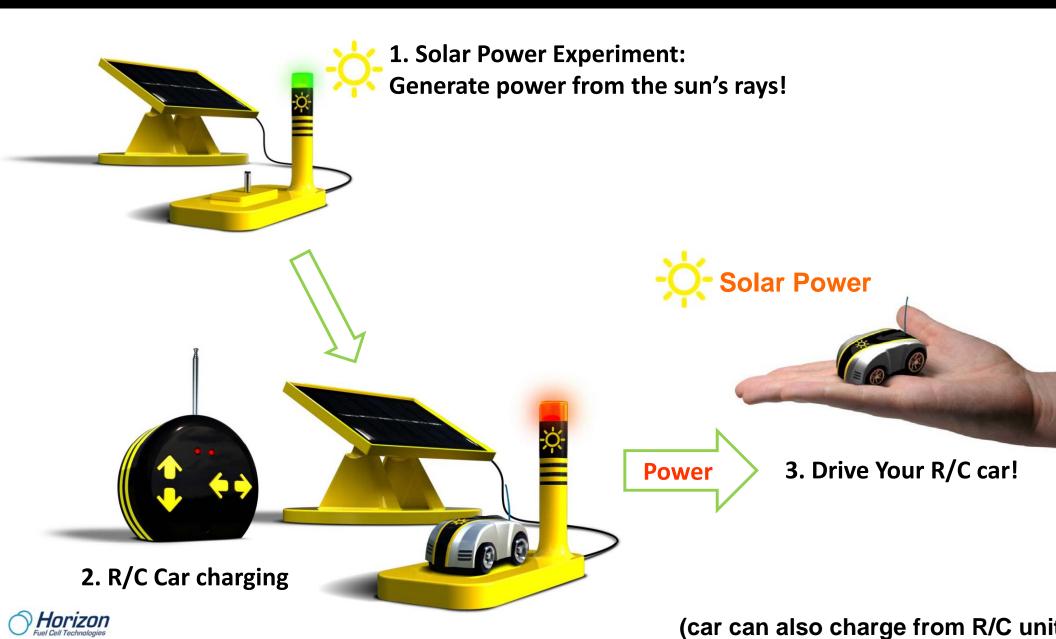
Introducing a brand new line of fast/fun RC micro-cars that run on clean energy!











"HOW IT WORKS" FREE Poster inside!

Remote Controlled Green Energy R/C Micro Cars

solar power

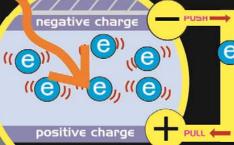
The sun is like a gigantic ball of fire that produces energy in the form of light, which is essential to life on Earth.

In just one hour, more energy from the sun hits our planet than the whole world needs in an entire year!

> Energy from the sun (solar energy) reaches the Earth as sunrays, and sunrays can be converted into other forms of practical energy, without any air pollution and no greenhouse gases. Scientists all over the world are looking for ways to make the most of this free supply of clean energy. One solution involves turning sunlight directly into electricity using "photovoltaic cells".

Energy from sunlight knocks electrons loose and allows them to move around, creating a current. When many electrons, each carrying a negative charge, travel toward the front surface of the cell, the resulting imbalance of charge between the cell's front and back surfaces creates a voltage potential, like the negative and positive terminals of a battery.

electric current is captured



current charges the car

protective layer

SUN RAY

silicon modules

electricity makes the light flash!

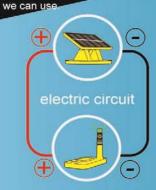
back contact

support base

Your ECORACER is

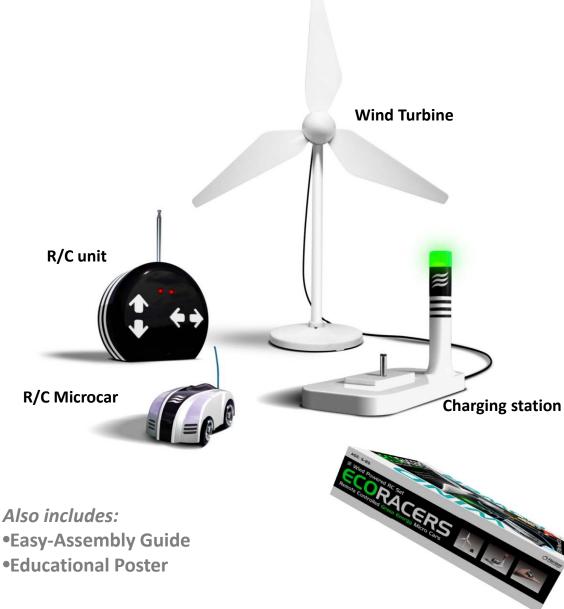
A photovoltaic cell (solar cell) converts solar energy directly into electrical power. Solar panels are composed of many photovoltaic cells placed together side by side. When sunlight hits a solar panel, electrons inside its material start to get agitated and start to move. The electrons flow through wires built into the solar panel - this flow is called current, it's also "electricity"

SUNRAYS

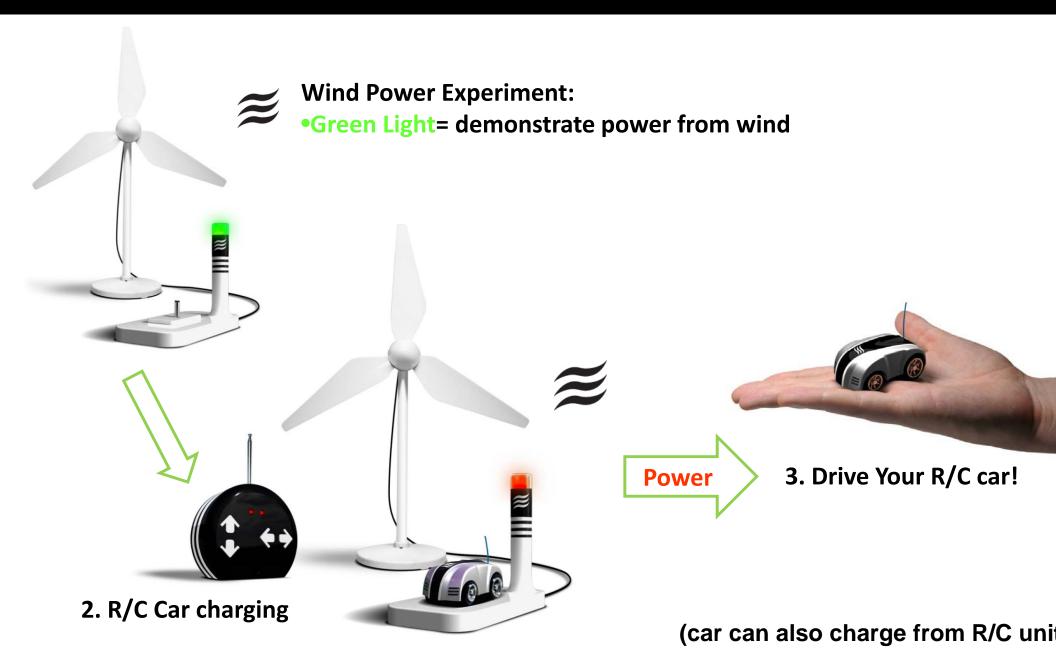


Electricity collected from the solar panel's current collectors travels through the white wire and into the car's charging station. This electricity powers the light. When the eco-racer is docked to its charging station, the electricity also charges the car's battery so it can drive.









"HOW IT WORKS" FREE Poster inside! CORACERS

Remote Controlled Green Energy R/C Micro Cars

wind power

Harvesting the force of the wind is something humans have been doing for centuries. Ancient windmills were the first wind power generators, and back then the wind was used to mechanically crush grain to make flour. Its power was also used to lift water and irrigate fields for agriculture.

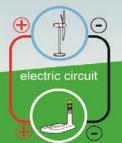
> rotor shaft

nacelle-

generator-

The spinning blades rotate the main shaft and gearbox. which spins the generator. The generator creates an electric current which can be collected and sent out

gearbox



What is wind?

Wind comes from temperature differences created on the Earth's surface, as it receives heat from the Sun. The sun shines on our atmosphere all of the time, but it heats the surface of the Earth unevenly, so in some places it is warm while in other places it is cold. As the air in the atmosphere gets warmer, it expands and spreads out. This makes the air light, so it rises. As air cools, it becomes heavier and it sinks. As warm air rises, air from cooler areas rushes in to take the place of the heated air. This movement of air is what we feel as wind. Wind can be different during day or night, summer or winter, and whether at sea, in the desert, in a forest, or in mountains. When the wind blows, its energy can be used to turn the blades of a wind turbine.

inflow of wind

electricity lights up the light..

Your **ECORACER** is



What are wind farms?

Since the wind is available naturally and freely, more and more people are considering using the wind as a way to produce much larger quantities of electricity. Many wind turbines can be placed together in one area where the wind blows strongest, creating a wind farm. Wind farms can power entire cities and reduce our dependence on burning oil or coal to produce electricity.

Creating Electricity from Wind Energy:

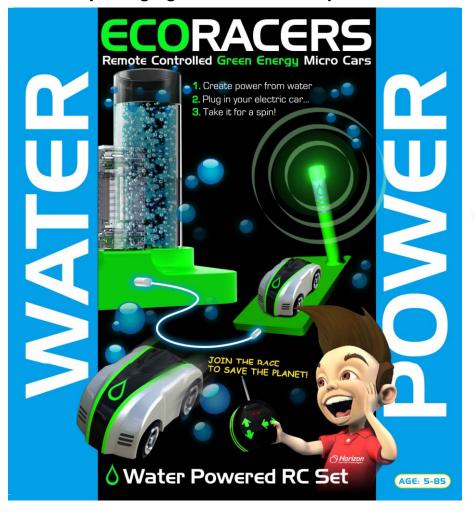
Today's windmills use advanced lightweight materials and highly efficient gears and generators, to create electric power that we can use for our everyday needs. Your ECORACER is using a wind turbine to create electricity that travels out of the turbine Imagine if that was a real-size electric car: no more air pollution! The electricity that is used to run the car comes from a natural source of energy, instead of a coal-fired power plant.

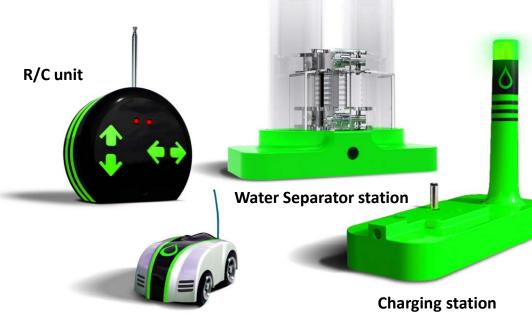


Remote Controlled Green Energy R/C Micro Cars

"Water power" is technically wrong but this is a marketing issue:

Solar, wind, water – go together as a family... and there is a "discovery" to be made. The Posters explain it properly but the packaging has no time nor space to do that. Plus we want to remove some of the heavy science at the onset.





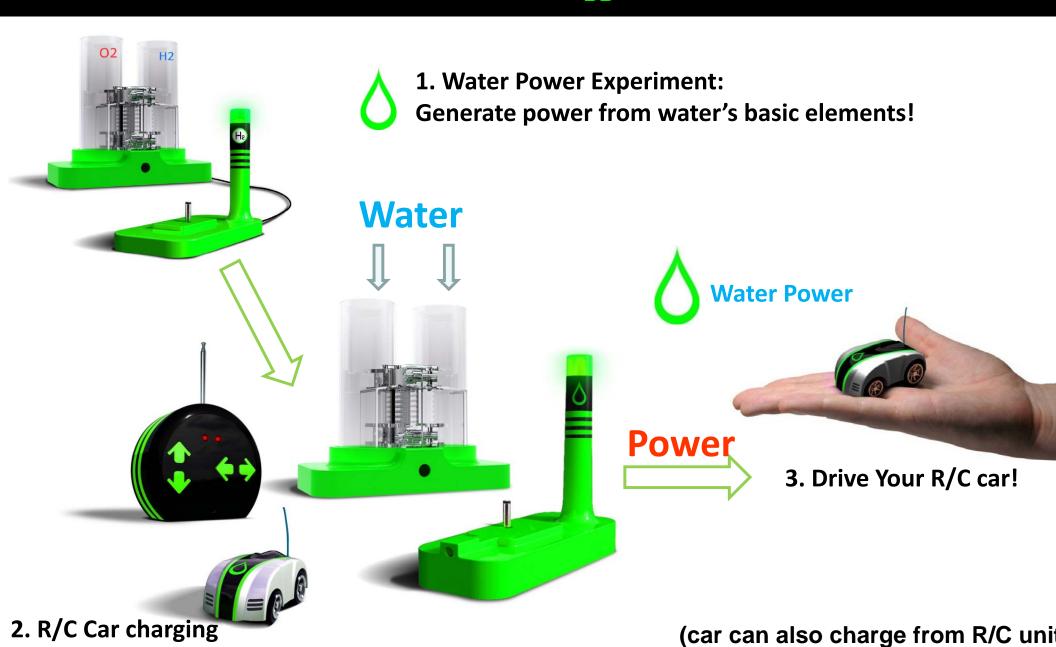
R/C Microcar

Also includes:

- •Easy-Assembly Guide
- Educational Poster



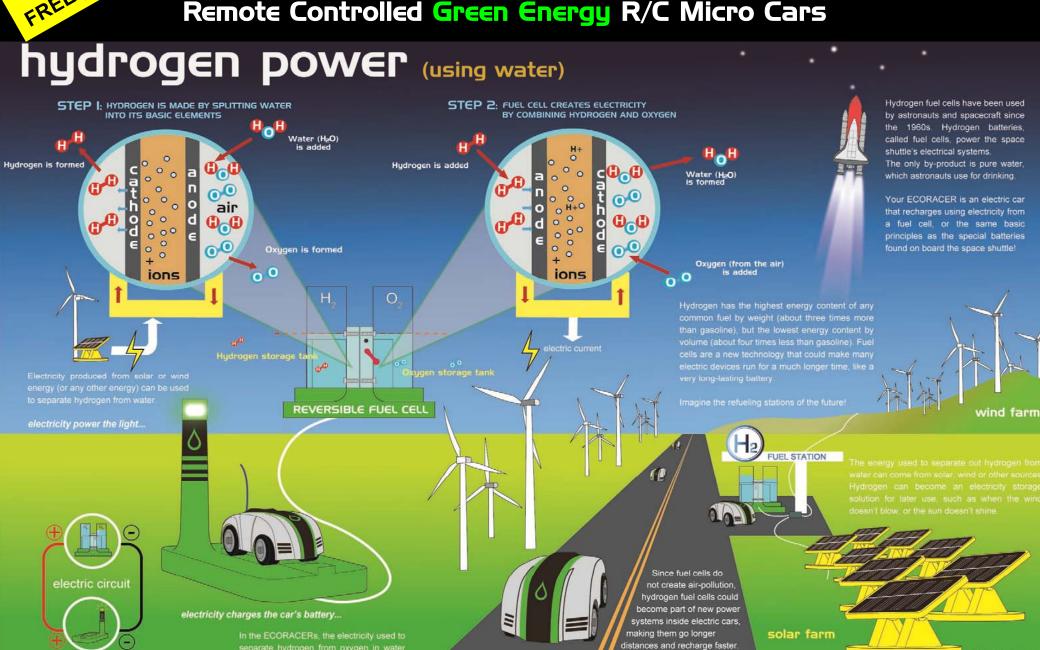




"HOW IT WORKS" FREE Poster inside!

comes from a small battery box

Remote Controlled Green Energy R/C Micro Cars



↑ Horizon

