Bright idea by Longhao

I would like to design a more effective organic solar panel in the future because is not fully exploited.

Recently, scientists are doing research on organic solar panels-organic panel because crystalline and thin-film panels have their shortages. The one that I would design should have the following functions: be easy to carry, flexible with size, transmitted at a high rate, and recyclable.

The solar panel could be easily carried everywhere and be shaped in any size easily. For example, we can install it on the top of our vehicles and not worry about how much energy left. Also, if I went hiking across an unexplored forest and needed a GPS to guide my way, my battery would never be used up as long as there was sun above my head. These panels could be installed on a large scale near cities or in the desert. In this way, they could generate a large amount of energy. From what I have heard, the solar energy that a Sahara desert receives in one day can feed human beings for one year. Imagine a world in which we are not using oil as our main energy source but electricity.

Also, organic solar panel should have a very high transmission rate and be recyclable. To some extent, efficiency is everything. Any product that has a low efficiency will be replaced latter. My design should reach the highest possible transmission rate of 80%, which means that it would take much less time to charge a battery. For areas that do not have sunny days very often, this is good news for them. Take London as an example. The weather in London is always foggy and the likelihood of that panel could receive sun light is very low. The panel solves this problem completely. To extend its economical function, this solar panel has to be recycled every several years. Government or companies will require every family to hand in their old solar panels and recycle the “useless” part.

Despite all these advantages, my design has a critical defect that organic solar panel is not stable. If it is exposed to sunshine for too low, the inner part will degrade eventually. So, the solution to this problem determines the “life” of this product. The optimistic side is that this degeneration is reversible and can be “reimbursed” by some chemicals or other methods.

As you can see, my idea is not new. However, this idea is applicable and deserves attention in the future.

How I revise this essay

In this essay, I make a lot of preposition, article and tense errors, which I should be aware of next time. I add a naysayer at the end and propose an applicable solution to it. The reason I don’t separate transmission rate and recyclable paragraph is that the sole recyclable character of panel paragraph would be too short in corresponding to other two characters.