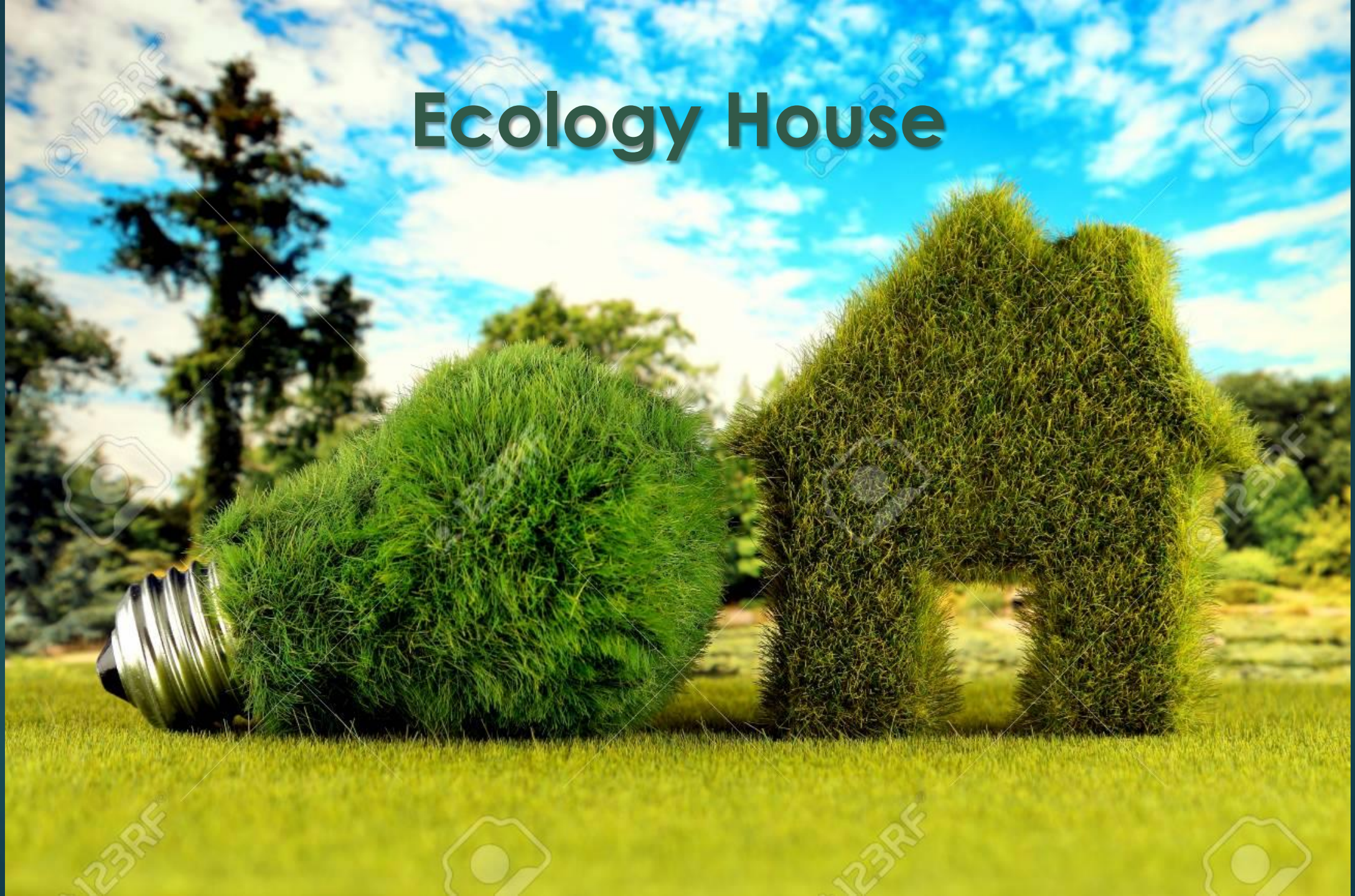
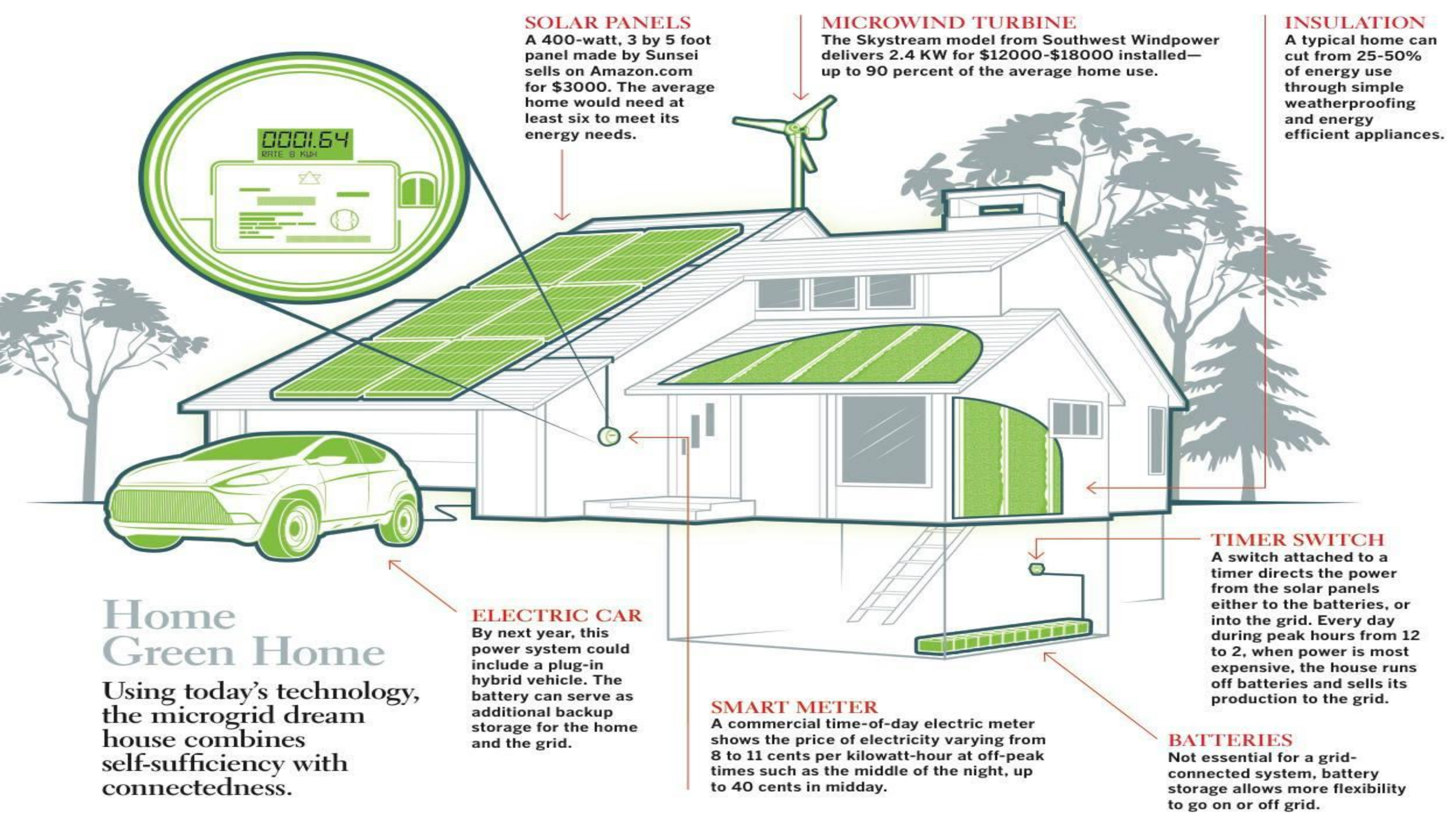


# Ecology House





The concept of green house, eco house that is the least possible burden on the environment throughout its life cycle.



### SOLAR PANELS

A 400-watt, 3 by 5 foot panel made by Sunsei sells on Amazon.com for \$3000. The average home would need at least six to meet its energy needs.

### MICROWIND TURBINE

The Skystream model from Southwest Windpower delivers 2.4 KW for \$12000-\$18000 installed—up to 90 percent of the average home use.

### INSULATION

A typical home can cut from 25-50% of energy use through simple weatherproofing and energy efficient appliances.

### ELECTRIC CAR

By next year, this power system could include a plug-in hybrid vehicle. The battery can serve as additional backup storage for the home and the grid.

### SMART METER

A commercial time-of-day electric meter shows the price of electricity varying from 8 to 11 cents per kilowatt-hour at off-peak times such as the middle of the night, up to 40 cents in midday.

### TIMER SWITCH

A switch attached to a timer directs the power from the solar panels either to the batteries, or into the grid. Every day during peak hours from 12 to 2, when power is most expensive, the house runs off batteries and sells its production to the grid.

### BATTERIES

Not essential for a grid-connected system, battery storage allows more flexibility to go on or off grid.

## Home Green Home

Using today's technology, the microgrid dream house combines self-sufficiency with connectedness.

**The eco-houses are very beautiful and varied. There are several types of these and they can be a number of ways environmentally friendly, such as energy saving, space saving, durability, eco-friendly materials of buildings, etc.**





Characteristics  
of high quality, long-life, environmentally friendly  
(recycled, recyclable) materials produced using,  
for example, wood masonry made of adobe soil



Solar collectors, heat pumps, wind energy provides the warmth, used water and energy efficient solutions, including sewage treatment plant or rainwater collection.



**Eco-friendly energy sources:**  
heat pump, which pumps heat by in the environment  
(rock, soil, air or water) into the flat, solar, photovoltaic,  
wind energy, hybrid renewable energy systems.



**Water saving and energy solutions:**  
**Wall, in which large areas are heating up the lowest possible temperatures, so the efficiency and the comfort women, led lighting, sewage cleaning, collecting rainwater.**



The implementation of green-house (eco-house) to be complete harmony with the environment, use of limited natural resources sparingly. Renewable energy, water and energy saving devices, natural and recycled materials used - adobe, straw, burnt clay bricks. The attention to the health of people. materials used are not harmful to health. It avoids the plastic, organic solvents, machines, overcrowded cables building.



Selecting the location of these buildings we have to take into account the experience of radiesthesia, avoiding the water vessels, the high-voltage transmission lines and polluted areas.



**Biosolar heated buildings appeared in the 1990s, where the biomass heaters are supported by solar panels and they could produced hot water with solar energy. Changing the elements of the system newer and newer solutions were improved.**



**Eco House is the future not just because of the energy-saving but it is also produced in an environmentally friendly way.**



Blaskovich Ákos is a famous Hungarian architect who also made a prototype eco house too.



**It can be found in Pilisjászfalu**

