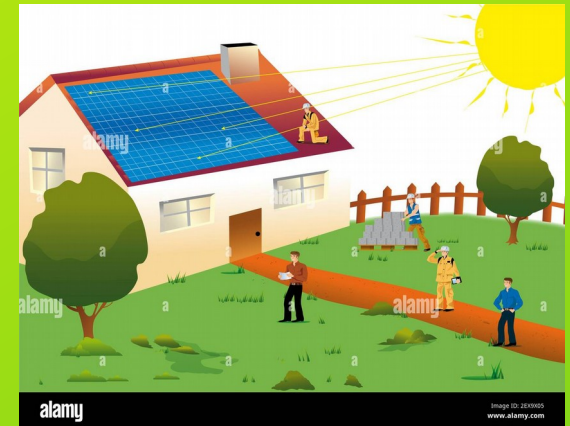


SOLAR ENERGY



WHAT IS SOLAR ENERGY?

Solar energy is a renewable energy source that is obtained from the sun, and with it we can generate heat and electricity.



ITEMS: WHAT IS NEEDED?

The necessary items for solar energy are:

In order to produce solar energy, you need panels called solar panels that are made up of metal sheets.

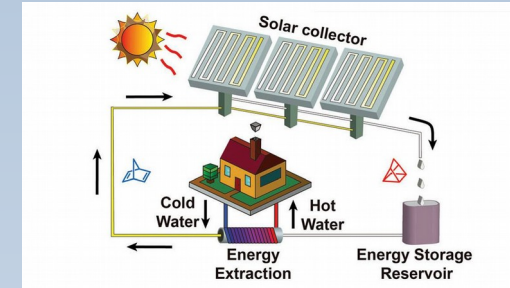
They have photo voltaic cells that are made up of semiconductor material that absorbs the sun's energy and transforms it's light into energy.



PROCESS

The solar energy is divided into different stages:

- Solar radiation is received by the solar collector from the solar panels.
- The cells solar panels transform solar radiation into continuous electric current.
- The direct current alternates alternating thanks to the inversors.
- The alternating current that was obtained is distributed for consumption or stored in batteries.



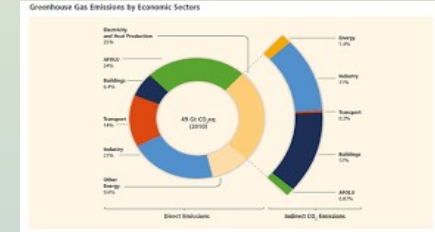
ADVANTAGES/ DISADVANTAGES

ADVANTAGES:

- The sun is everywhere
- The sun generates local wealth and employment
- It is a renewable and inexhaustible source by definition.

DISADVANTAGES:

- The creation of solar panels or modules is not a zero emission process.
- Enviromental pollution



DOMESTIC USES AND INDUSTRIAL USES



Domestic uses:

- Feeding electronic devices, lighting, heating and obtaining hot water, among others.

Industrial uses:

- Steam generation. washing: industrial warehouse washing; laundry (between 40° and 60°C), car wash (60°C).