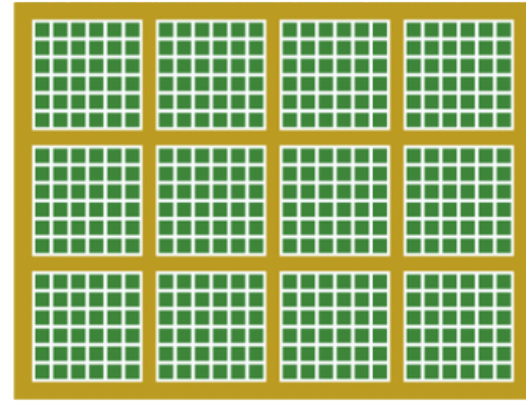


# Grid Tied Solution

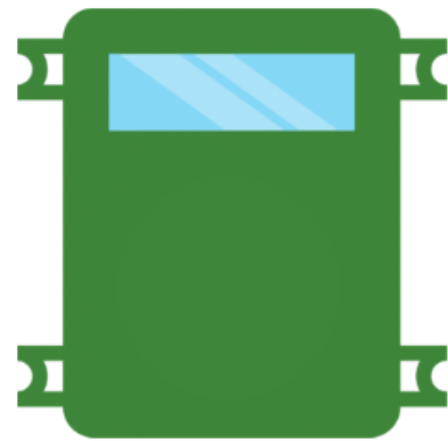
## Solar PV Design and Installation

photovoltaics collect energy from the Sun in the form of sunlight and convert it into Direct Current electricity that can be used to charge your battery and power homes



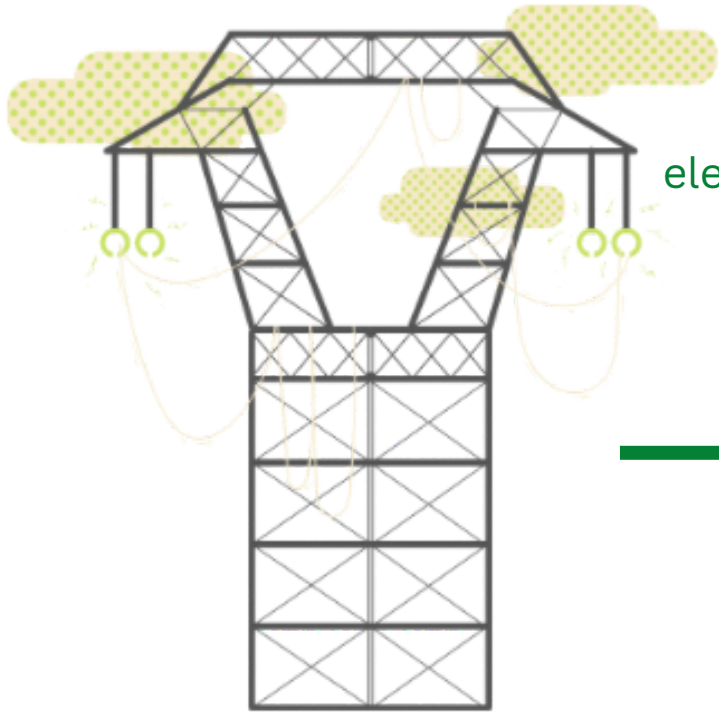
## Inverter

Converts Direct Current electricity into alternating Current which is, common used form of electricity. for Home Appliance



## Load

Critical Load (lights,Fridge,TV,Wifi,Charging,PC, Alarms and Security Camera) point get supply directly from the inverter



## Grid(Utility Supply)

Utility power is continuously provided at night and during the day when demand exceeds solar production.



# SAVE ENERGY

There are plenty of opportunities in your daily life to save energy and protect the environment.



LOPILE TECH

- A grid tie solution, also known as a grid-tied system or grid-connected system, is a type of renewable energy system that allows users to connect their solar, wind, or other types of renewable energy systems to the main power grid. This means that any excess energy generated by the renewable energy system can be fed back into the grid and sold back to the utility company.
- In a grid tie solution, an inverter is used to convert the DC power generated by the renewable energy system into AC power that can be used by the home or business. The inverter also synchronizes the AC power with the grid's frequency and voltage to ensure that the power can be safely fed back into the grid.
- Grid tie solutions are a popular choice for those who want to reduce their reliance on fossil fuels and save money on their electricity bills. However, it's important to note that these systems typically don't provide backup power in the event of a power outage, since they rely on the grid for their power supply.