

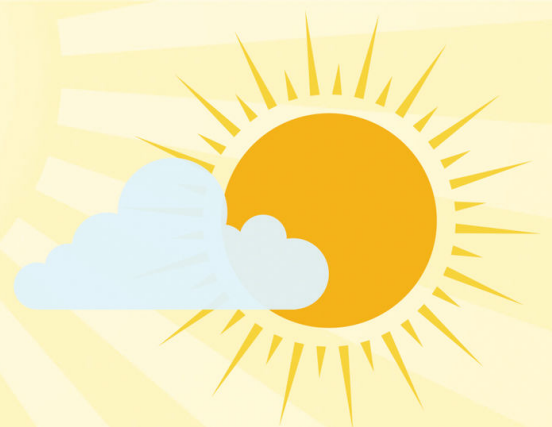


## Company Profile

[www.esolar.solar](http://www.esolar.solar)



## About Esolar



- The birth of E Solar was founded in September 2014 after more than 2 years of deep and intensive studies for the Renewable Energy technology all over the world with most of the Europe countries already depending on the solar powergeneration of Electricity as one of its strategic sources to generate power, The possibility to be implemented in the Egyptian market was cleared with the late of 2013.
- Due to the current Dilemma of power source generation all over the world and encouraging to **GO GREEN** (depending on Renewable Energy Sources) plus the advantage of being one of the best countries all over the world in Sun light intensity all over the year, Egyptian Government started to really encourage and direct investments in this sector which an effective solution to the shortage in power sources in Egypt.
- Integrity  
We believe this is key to any successful relationship. It is important to ESolar that our clients and team members have a strong foundation of trust in each other.
- Ethical Conduct  
We believe this is the cornerstone of good business. We are committed to honesty and high morals in all dealings, both internally and externally.

***“I’d put my money on the sun and solar energy. What a source of power! I hope we don’t have to wait, till oil and coal run out before we tackle that”***



Thomas Edison

## Our Vision

To be a global, innovative and competitive Renewable Energy Enterprise providing total solutions to customers of Renewable Energy Products and Services.

## Our Mission

To be a leading Renewable Energy enterprise, providing superior quality products and services at competitive prices.

## What we do?

- Provide unique Solutions and Techniques to ensure the successful delivery of renewable and sustainable energy projects promptly.
- Deliver a value for our clients with creative, experienced and highly skilled Engineering team in the design ,installation, operation and maintenance of high quality sustainable Energy Solution.
- Produce Solar Photovoltaic power plant in various application such as residential, industrial, Commercial and agriculture.
- ESolar offers tailored solution according to the client best interest and needs.

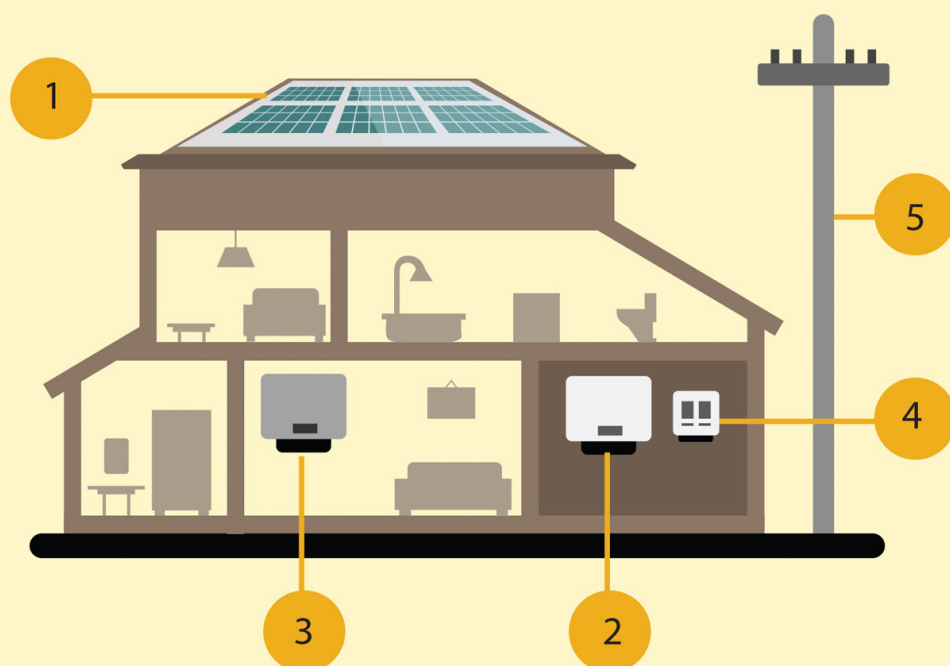


## SOLAR ENERGY

Energy from the Sun that converted into electricity using Pv panels.

### How Solar Energy System works?

- 1 Solar panels turn sunlight into DC energy.
- 2 Inverter converts the DC energy to AC electricity.
- 3 Service Panel distributes power where needed through your home.
- 4 Utility meters track energy produced and energy used.
- 5 Grid connection ensures access to continuous power at night.





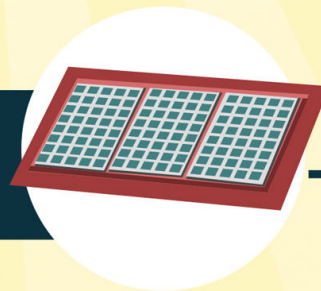
## On-Grid System

You don't have to worry about storing any energy; the grid will usually be there to make sure all the loads can run when the user wants them.

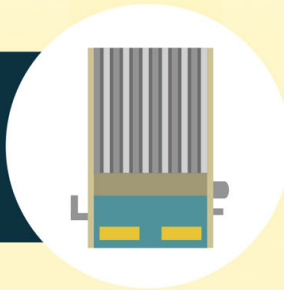
ON-Grid Applications:

- Solar Home system.
- Feed in Tariff (FIT).

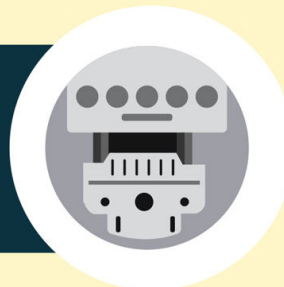
Solar panels convert sunlight into DC power (12 v to 24 v)



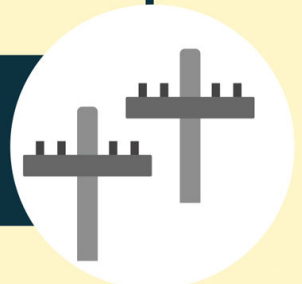
The inverter converts DC power into 240 volt AC power for household use



When solar production exceeds home consumption the meter measures your export and your account will receive a credit



Any surplus electricity simply flows back into the mains grid for use elsewhere



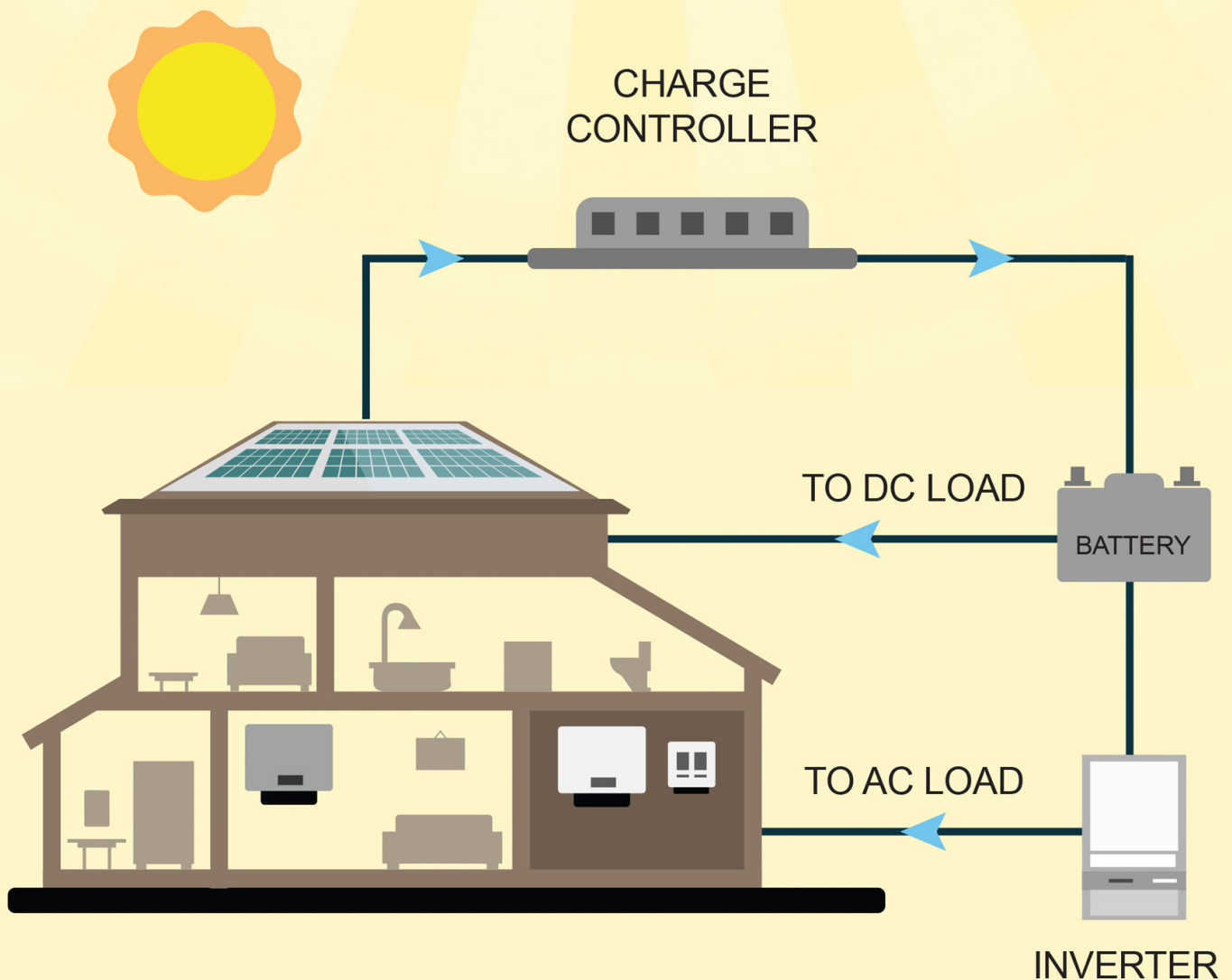
## Off-Grid System

Off-grid can be stand-alone power system or mini-grids typically to provide a smaller community with electricity.

Off-grid solar power also stores DC electricity in batteries.

Off-Grid Applications:

- Solar Home system.
- Solar water pumping system.
- Solar battery charging system.
- Solar power traffic lighting system.

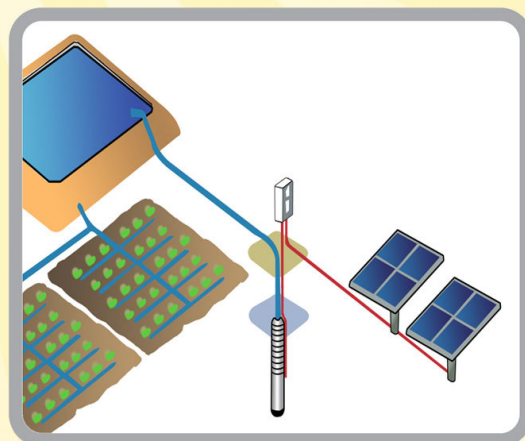


# Solar Water Pumping System

## For Irrigation

The need to irrigate agricultural land efficiently, economically and sustainably is critical for food security. Costs for irrigation using diesel power are rising at  $>10\%$  per Year.

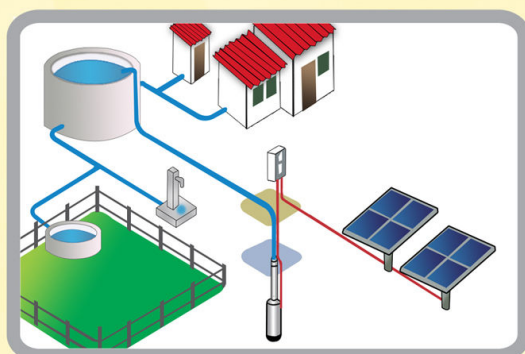
Solar irrigation solutions are a very attractive alternative to diesel powered pumping and support sustainable agriculture.



## For Drinking Water

Access to clean, reliable water supply is critical for the survival of humans and animals. Ground Water sources offer a cleaner and reliable supply of drinking Water.

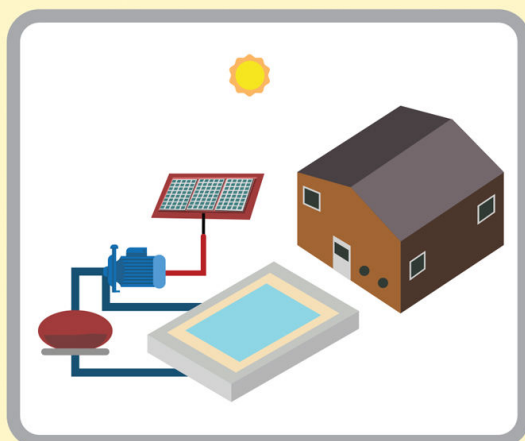
Solar pumping products deliver drinking water to people and livestock economically and reliably.



## For Swimming Pools

For homes with swimming pools, circulation and filtration pumps used to keep pools clean are typically the second biggest consumers of electricity.

Pool pumps are a compelling proposition for homeowners and commercial pool operators in a sector where operating costs need to be minimized.





## Projects



\* photos from our latest projects



## Projects



\* photos from our latest projects



## Our Partners



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