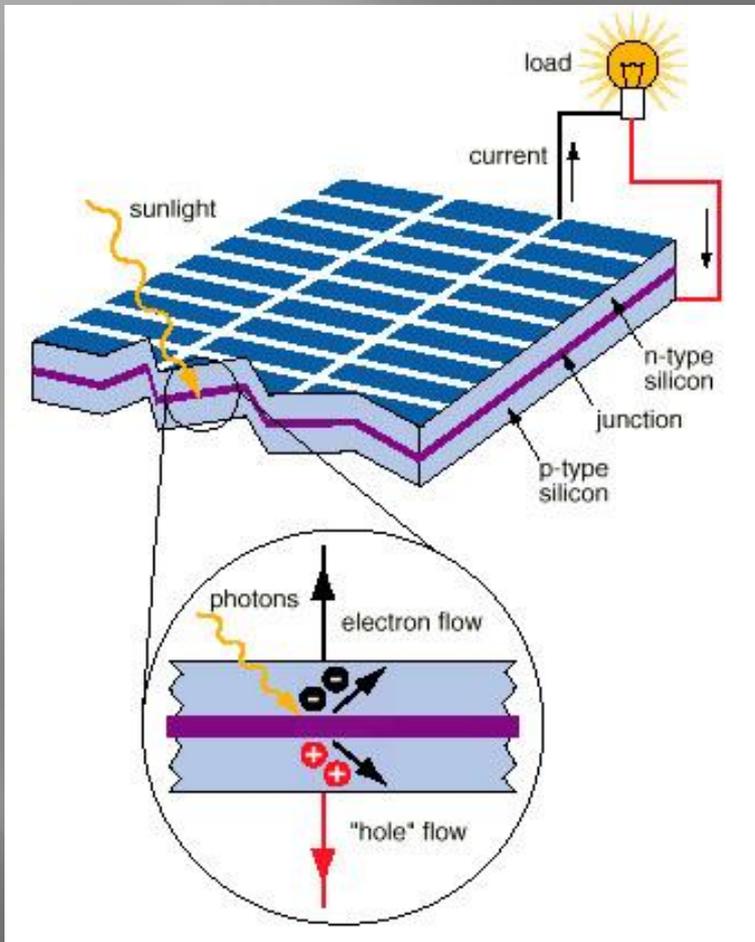


# SOLAR POWER

So you decided, you want to change to Solar Power, but you don't really know how it works... No Problem

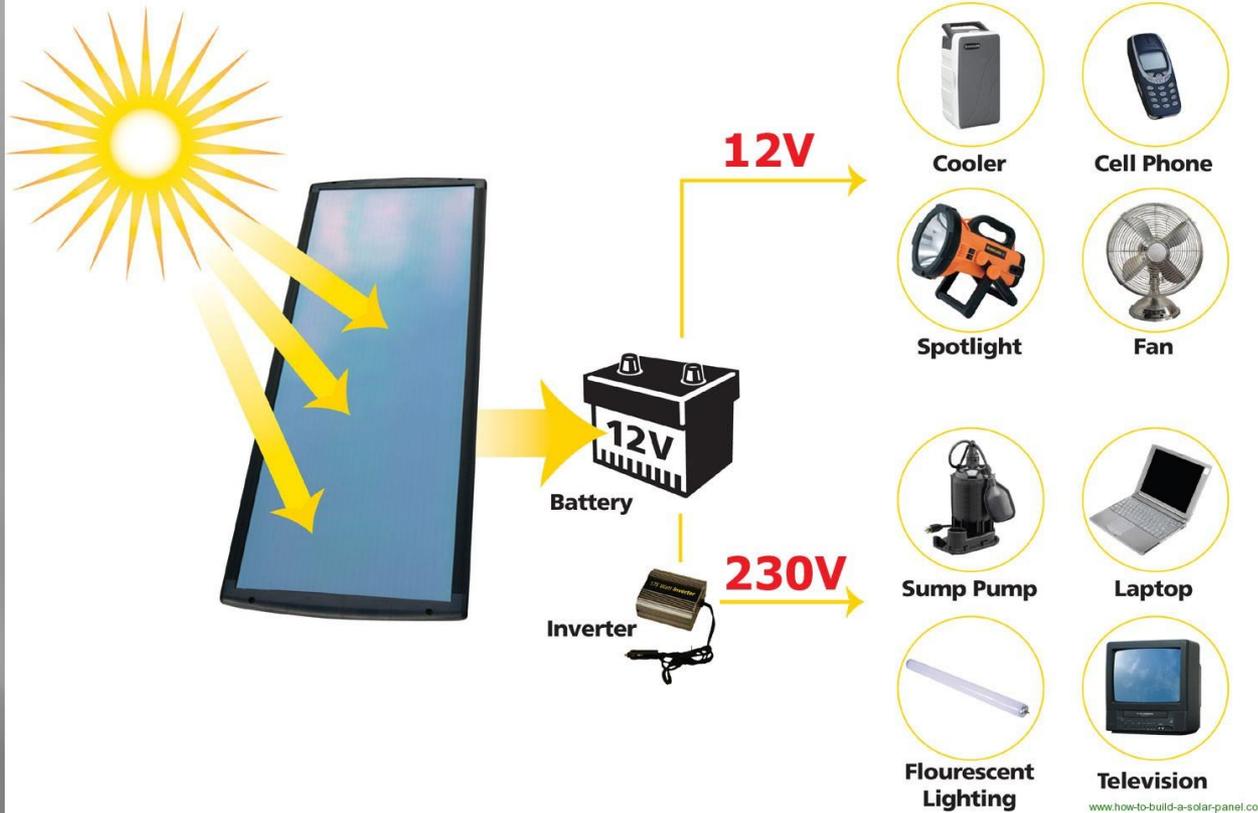
# How Solar Panels work



Energy From the sun hits the solar panel and gets split into + and -

Now you have energy that can be used for certain appliances\*

# How Solar Works



Energy from your solar panel can now be used; however its 12v DC and can only be used by certain appliances. So in order for this energy to be used by all your normal appliances; it needs to be converted to 220AC that's where the inverter comes in.

# Chargers vs. Inverters

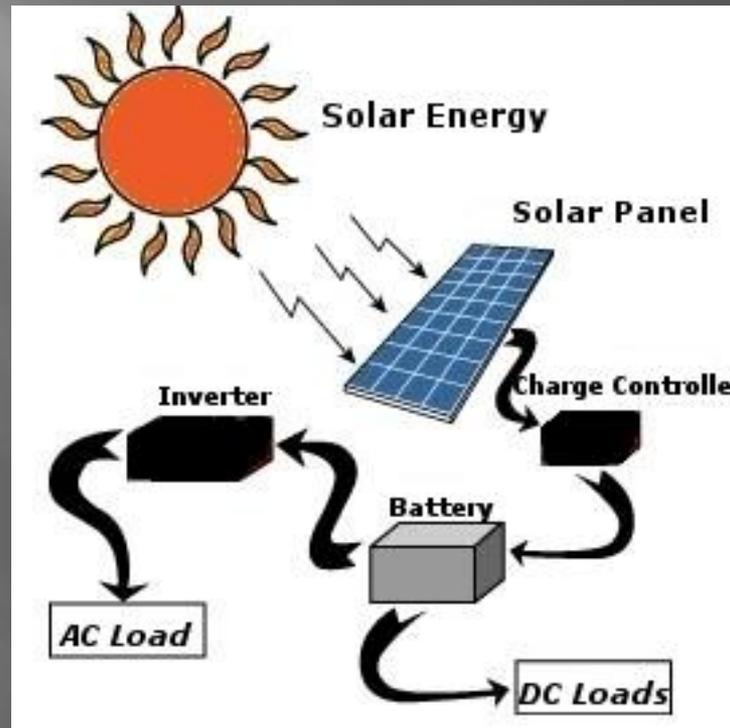


We all know this... Its a Cellphone charger, it converts 220Volts AC Into DC Volts, usually 5V DC

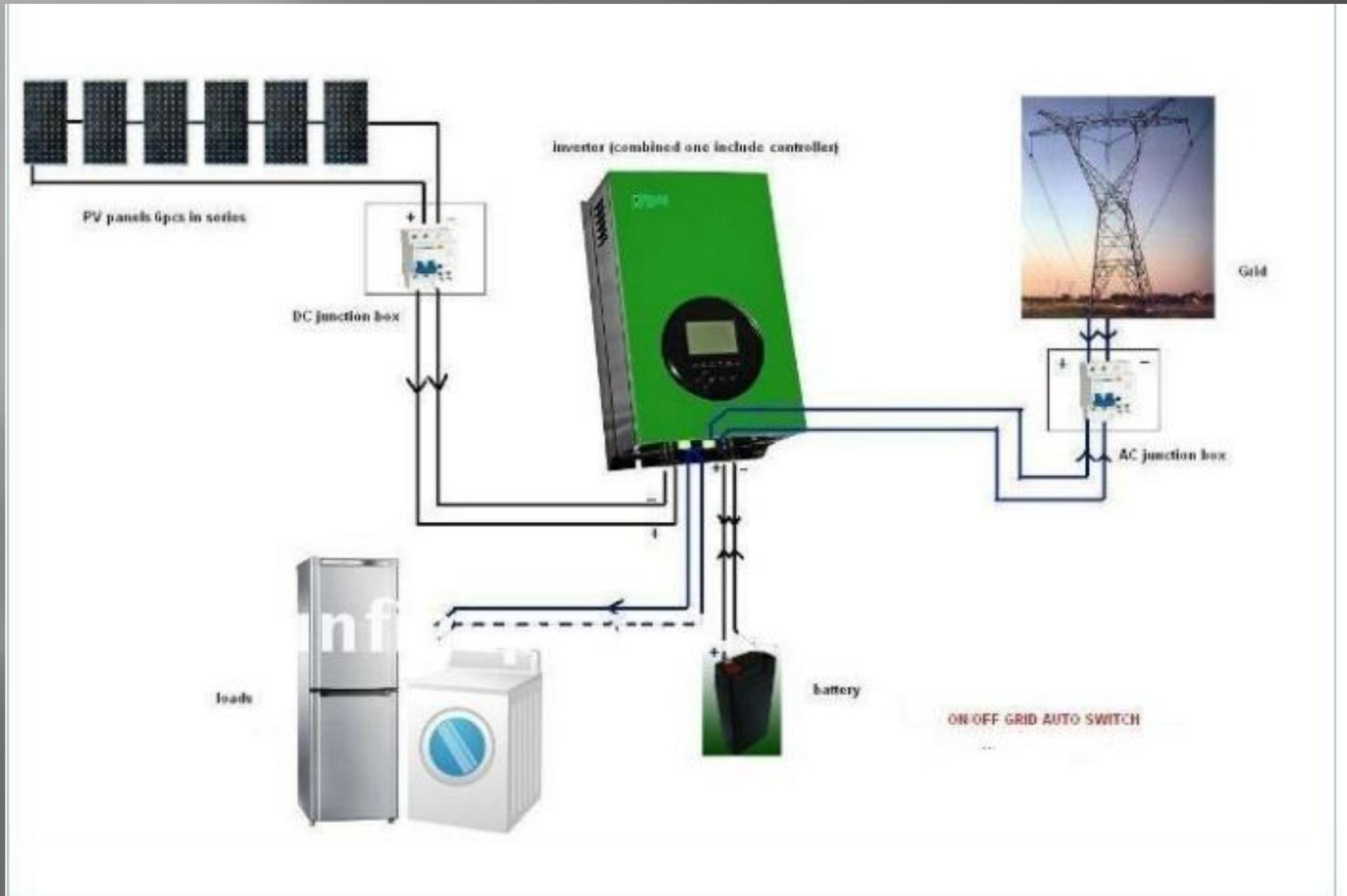


An Inverter on the other hand changes DC power into AC power

# Typical energy flow in a solar energy system



# Our Product



# What Makes our system unique

You can usually either have an:

On-Grid system

Or

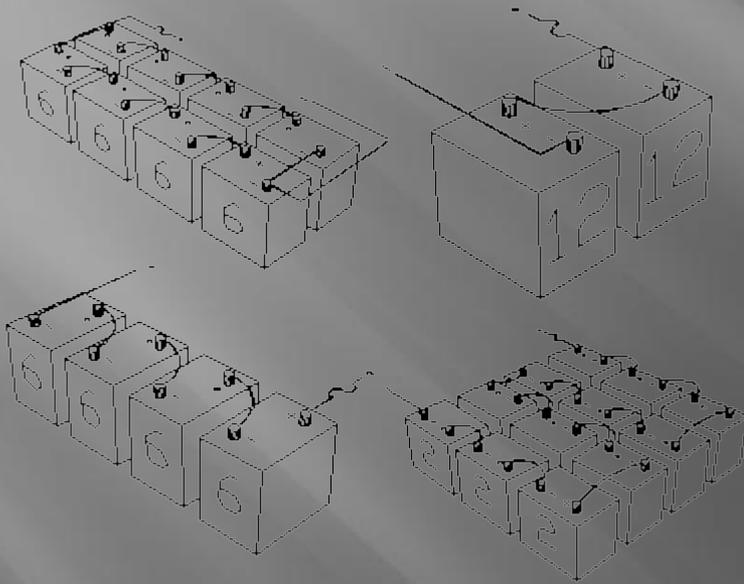
Off-Grid system

Our system is Both



# Why On and Off Grid

It all boils down to your back-up power or batteries



The more power  
you need to supply yourself ...  
the bigger your battery  
bank needs to be...

more batteries means more cost...batteries that need  
replacing eventually...

# The Solution

We won't supply you more than you need!

Plus innovative Inverter technology!

You should have just enough backup power to keep you going 1 day  
- In case of load shedding!!!

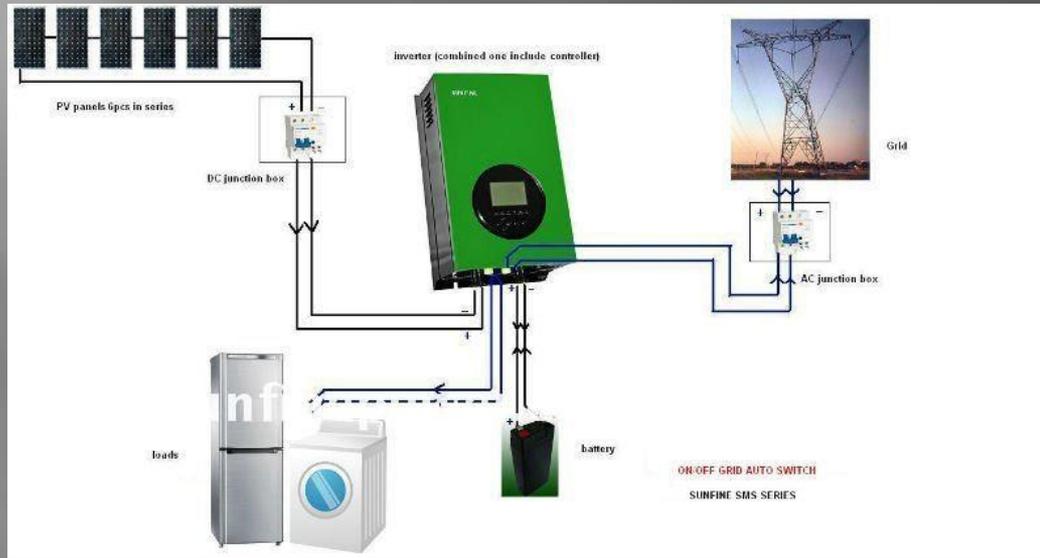
Or maintenance to Grid...

This means minimal use of your batteries!  
Meaning longer lifespan!

Instead you'll be using the Grid as your "battery"



# Grid as battery?



Yes!

During the day your Solar panels will generate power which will charge your battery bank, run your loads and the extra power generated will be fed into the Grid – effectively making your meter run backwards!

Come night time (when your panels don't generate power) you again draw the energy you "stored" on the grid...

With the right amount of panels, etc; after this yoyo effect on your municipal meter You can have a zero balance the end of the month!!!

Or better yet, Eskom owes YOU!!!

Brilliant!!!



Now where to begin...

# Calculating your required system

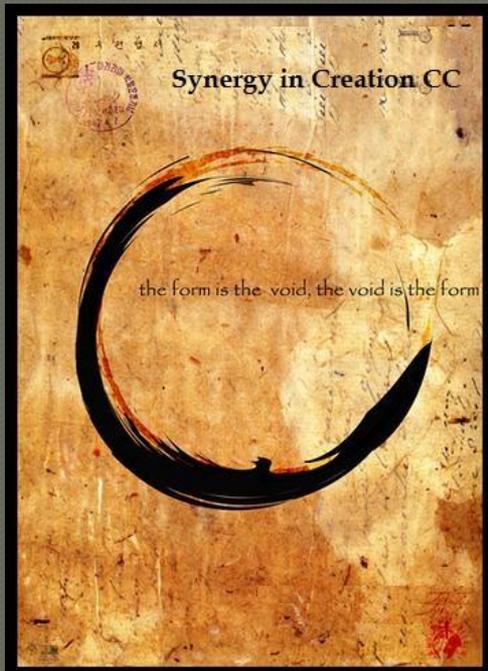
First thing you need to know is the amount Kilo watt hours you'll need per day... Just check your statements from Eskom its the amount of "units" used (You should have a figure around 30kwh per day)

Contact us...



We'll create a tailor-made system for your requirements... Synergy....

# Contact Us



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**We'll get you Self Sustained  
And generating your own Energy!!!**