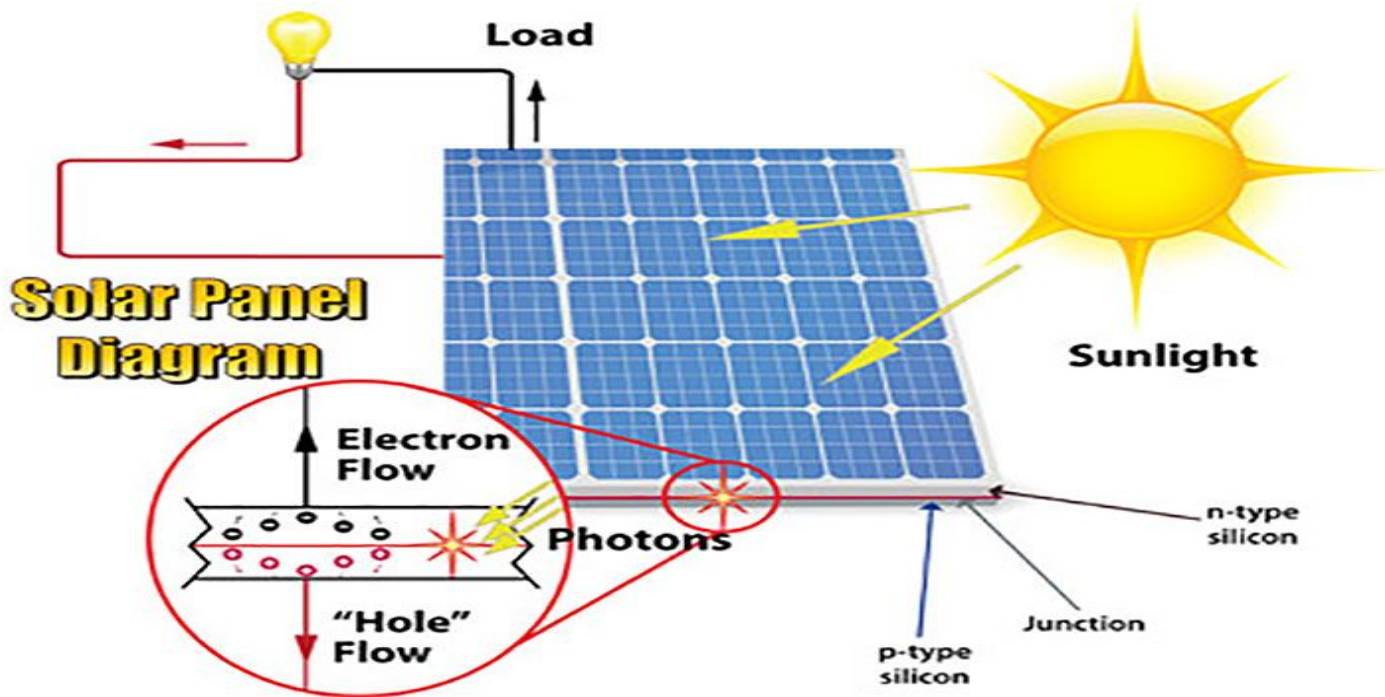


Solar Panel Charger

By Mustafa Yalcin

How does Power Solar Panel work

Solar powered photovoltaic (PV) panels convert the sun's lights into electricity by exciting electrons in silicon cells using the photons of light from the sun. This electricity can be used to supply renewable energy to your electronic devices, home or business.



What's an silicon cell ?

It is a form of photoelectric cell, defined as a device whose electrical characteristics, such as current, voltage, or resistance, vary when exposed to light. The common single junction silicon solar cell can produce a maximum open-circuit voltage of approximately 0.5 to 0.6 volts.



What is a solar cell ?

A solar or photovoltaic cell, is an electrical device that converts the energy of sun's light directly into electricity by the photovoltaic effect, which is a physical and chemical.

Test #1 (sunrise)

Day starts and I have **0%** battery..

Test #2 (time slot 1)

From 10 - 11am, **10%** charged...

Test #3 (time slot 2)

From 11- 12(noon), **14%** charged...

Test #4 (time slot 3)

From 12-1pm, **16%** charged...

Test #5 (time slot 4)

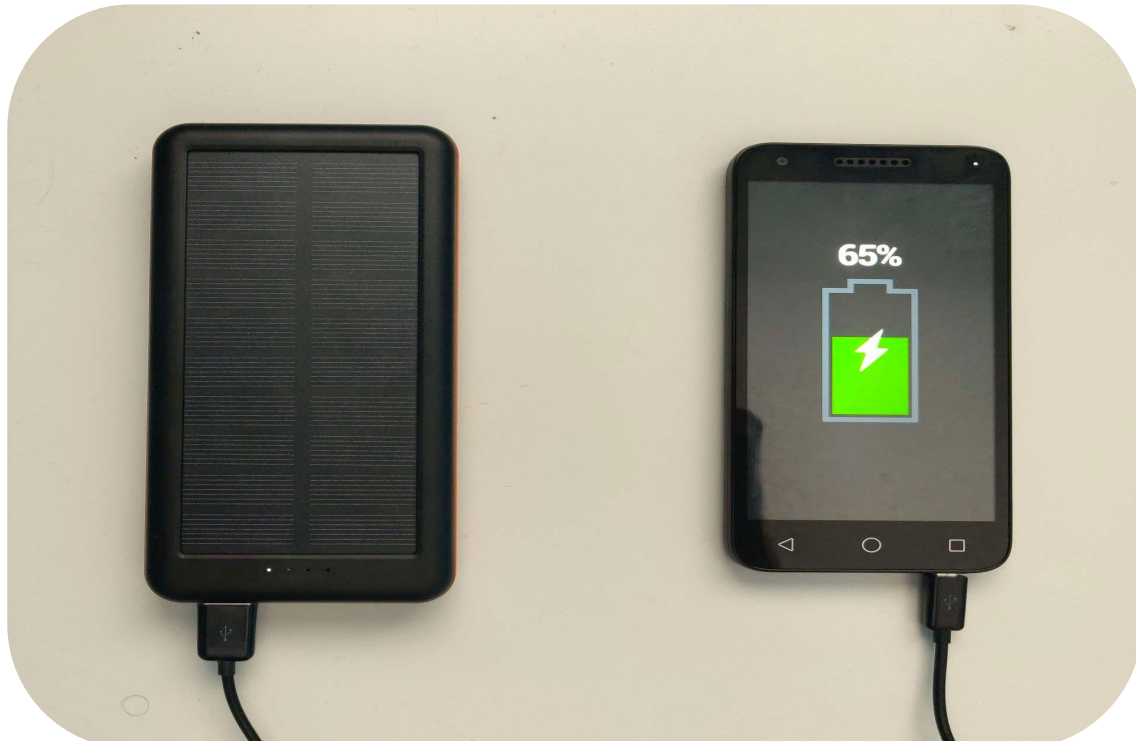
From 1-2pm, **25%** charged...

So let's sum up...

$$10 + 14 + 16 + 25 = 65\%$$

End of the day final results

My cell phone battery has reached **65%** eventually, here's a quick picture



THANK YOU FOR LISTENING