→ Silicon Solar Photovoltaic cell:

Device that converts light analyze to electrical analyze It is made of several materials.

light absorber -- Single crystalline Silicon

electron - hole pair

(Seperates automatically)

electron-selective hole-selective

metallically conducting layer metals are opaque

Ganerate Power from Sunlight

Servations are real and they are peoposely made in the device as they have reflectance

(25.1. -> waste of resource)

 $(0.25 \times 0.25 = 0.0625 = 6.25\%$ wasted)





