

DESIGN RESEARCH ON SOLAR POWER GENERATOR

Few companies and rich homes buy large and expensive PV, but the majority of the consumers needs solar powered generators for basic home electrical appliances. To find a good market for solar powered generators, the main feature to be considered here is **low-cost energy**. Low-cost energy implies making the operational cost of solar powered generator either low or affordable for the consumers to buy. It is advisable to consider the low pricing of the product. And doing so also affects the quantity of material used in production of the solar powered generator because a low-cost generator is the one which is efficient, but small in size and capacity. In this manner, we know that majority of the buyers want low cost and portable solar powered generators so that they can install and use in their various homes. This can be implemented by buying or using low cost and small size PVs or import or produce silicon from quartz to be used for production of PVs. And finally, we connect a low cost electrical appliance such as light bulb to find out how long it can be powered.