

**GOODNESS ARUM**

**UMBRELLA COMPRHENSIVE HIGH SCHOOL**

**JSS 2**

**2/4 SALAWU LAWAL STREET, OLODI-APAPA, LAGOS**

**IF I COULD INVEST SOMETHING NEW**

What I choose to create. I will like to create or invent a television using batteries.

Television runs on A/C voltage, while batteries run on D/C. you can even buy an inverter and connect it to a 12 volt battery and play the television icon on the inverter.

The only problem is that it takes a lot of time to charge. Can this smart charger make charging time faster? I don't think so.

How many battery can power up a television?

The simple and flawed answer is that a 12v/20AH battery will supply  $12 \times 20 = 240$  watts of power for an hour. But some storage battery have a capacity of 10WH of electricity, and watching 10 hours of TV would consume approximately 1Kwh of this energy.

Another thing is that all popular home batteries can power a TV most especially Lithium-ion batteries like the Teski Power walt or general PWRcell have a rating of 4 to 5 kw or higher.

But before you understood how many solar panel you will need, you must know how much power you TV requires. Battery capacity expanded up 10,136wh.

The reason why I choose to invent a television using batteries is because now that there is no money to pay NEPA bill, at least the little money you have with you, you can use it to buy batteries for your Television.

Another reason why I choose to invent a Television using battery is because people who like to watch educated movies and it is going to start by 3:30pm and at that time there might be no light, so you can buy battery for your T.V and watch the program you want to watch.

The last reason is that it is cheap, it is easy, it is quick and simple to use. The disadvantages is that it consumes the Walt in the battery within a short period of time. It distracts students because they can use their pocket money to buy battery and watch movies anytime.

This is why I choose to invent a Television using battery.