



When it comes to energy, the less watts used, the more money saved.
The less watts used, the better.

Below is a case study of the power usage of a small home office. This example can be used as a template to calculate your own power usage and the possible ways to save by replacing some electronics/equipment.

NOTE: Number of Watts can be found on the label of electronics.

Step 1: Know your power usage (watts).

Here is a sample list of items that is powered by electricity:

1 Fluorescent Bulb	20W
1 Electric Fan	40W
1 CD/DVD/Radio	5W
1 PC	200W
1 Wireless Router	5W
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Total Home Office Power Usage	270W

$\$4.00*/W \times 270W = \$1,080*$ Cost to Solarize Home Office

Step 2: We suggest that you reduce your power usage.

1 LED Light (Replacement)	5W
1 12V Automotive Fan (Replacement)	5W
1 CD/DVD/Radio	5W
1 Laptop (Replacement)	25W
1 Wireless Router	5W
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Total Reduced Power Usage	45W

$\$4.00*/W \times 45W = \$180*$ Cost to Solarize Home Office

Step 3: Solar-match your reduced power usage.

- 1 50W Solar Panel
- 1 12V Car Battery
- 1 SP1010 MPPT Controller
(Patent Pending Ultra-High Efficiency Solar Power Converter)

*The cost per watt and total cost to solarize a home office is based on average U.S. figures. Cost will vary based on country and distributor pricing.