

ENVIRONMENTAL IMPACT OF SOLAR AC

INTRODUCTION

The effects of Global Climate Change are currently affecting thousands of people all over the world everyday. Part of Eco-\$mart's commitment is to help reduce its effect for the benefit of our future generations.

COMPUTATION OF CO2 EMISSIONS

Based on the scientific community, in order to generate 1kW of power using coal based technology, a total of 0.00075 tons of CO2 will be emitted into the atmosphere. This amount will have a generally harmful effect to our precious planet.

HOW CAN WE HELP?

We have a documented test data of a normal 18,000 BTU air conditioning unit that consumes about 1.88 kW per hour of power. While our Solar AC units with the same capacity consumes only 1.17 kW. Getting the difference, Solar AC can save up to 0.71 kW against other brands normal air conditioner.

**If we multiply it by the number of days operation (24 x7),
our annual saving will be:**

$0.71 \text{ kW} \times 24 \text{ hrs.} \times 365 \text{ days / year} = 6,219.6 \text{ kW savings per year}$

Multiplying it by the amount of CO2 emitted per kW of power:

$6,219.6 \text{ kW/year} \times 0.00075 \text{ tons / kW} = 4.66 \text{ tons of CO2}$

CONCLUSION

A single unit of Solar AC can save the planet 4.66 tons of CO2 from being emitted to the atmosphere every year. Imagine how much good we can actually do for our mother earth if we were to use Solar AC for all our air conditioning needs.



Eco-\$mart, Inc.

(888) 329-2705

info@eco-smart.com

www.eco-smart.com