

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Constitution Hills, Quezon City



SIXTEENTH CONGRESS
First Regular Session

House Bill No. **3882**

Introduced by REPRESENTATIVE ERIC L. OLIVAREZ

EXPLANATORY NOTE

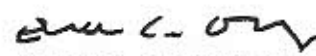
Whereas, in Section 16, Article II of the Constitution, the State undertakes to protect and promote the right of the People to a balanced and healthful ecology in accord with the rhythm and harmony of nature.

Whereas, in Section 12, Article XIV of the Constitution, the State undertakes to promote and adaption of technology from all sources and for national benefit.

The use of inverter technology for air conditioners and refrigerators is now gaining popularity. The compressor of air conditioners is powered by a variable speed drive or 'inverter' which enables the compressor to run at a range of speed from slow to fast, matching the output required. Inverters electronically control the electrical voltage, they receive information from sensors and adjust the revolution speed of the compressor which directly regulates air conditioners output.

Studies have shown that, 'inverter' air conditioners and refrigerators are more advantageous than the 'non-inverter'. Inverters have remarkable benefits of high performance and efficiency, such as: (1)energy saving— up to 80% less in electricity consumption because it reaches the set temperature quicker; (2)powerful— start up time is reduced by 30%, also the set temperature can be reached quickly due to inverter's maximum operation capacity; (3)comfortable— it's easy to install and be replaced, also the indoor and outdoor unit has a quieter operation; (4) environment friendly—it has heat pump that draws energy from the air to the air conditioner and turn the energy into cooling or heating.

Inverter air conditioning though is more expensive than the non inverter, but its energy cost is only approximately 12p per kilowatt hour, which in the long run will be more economical to the consumers.


ERIC L. OLIVAREZ

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House Bill No. _____

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AN ACT
REQUIRING THE USE OF INVERTER AIR CONDITIONING AND REFRIGERATION IN
ALL GOVERNMENT OFFICES, AND FOR OTHER PURPOSES.

Be enacted by the Senate and the House of Representatives of the Philippines in Congress assembled:

SECTION 1. *Short Title.* – This Act shall be known as the “Inverter Act of 2014”.

SECTION 2. *Declaration of Policy.*— The State recognizes the importance of science and technology and undertakes the adoption of science and technology for national benefit. The State likewise undertakes to protect the right of the people to a healthful and balanced ecology that is in rhythm and harmony of nature. The State thus recognizes the use of Inverters for air conditioners and refrigeration

SECTION 3. *Use of ‘inverters’ in all air conditioning units and refrigeration system of Government Offices.*— To promote economy in governance and in order to protect the right of the people to a balanced and healthful ecology by using an environment safe and energy saving device for air conditioning and refrigeration system of all government offices. Instead, government offices are hereby required to replace all their ‘non inverter’ air conditioning unit and refrigeration system to an ‘inverter’ type.

SECTION 4. *Implementing Rules and Regulations.*— The Department of Energy shall issue the necessary rules and regulations to carry into effect the purpose of this Act.

SECTION 5. *Effectivity.* – This act shall be effective fifteen (15) days following the completion of its publication in the Official Gazette or a newspaper of general circulation.

SECTION 6. *Appropriations.* The sums necessary for the implementation of this Act shall be included in the Annual General Appropriations Act.

Approved,