

## **REVIEW PAPER ON THERMOELECTRIC AIR-CONDITIONER USING PELTIER MODULES**

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### **ABSTRACT**

The present air-conditioning system produces cooling effect by refrigerants like Freon, Ammonia, etc..Using these refrigerants can get maximum output but one of the major disadvantages is harmful gas emission and global warming. These problem can be overcome by using thermoelectric modules (Peltier effect) air-conditioner and their by protecting the environment.The present paper deals with the study of Thermoelectric air conditioner using different modules is discussed. Thermoelectric cooling systems have advantages over conventional cooling devices, such as compact in size, light in weight, high reliability, no mechanical moving parts and no working fluid .

**KEYWORDS:** Peltier Module, Thermoelectric Air Conditioner