

## Thermoelectric Generators as Alternative Source for Electric Power

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**Abstract :** The research on thermoelectric has been a blooming field of research for the latest decade, owing to large amount of heat source available to be harvested, being eco-friendly and static in operation. This paper provides the performance of thermoelectric generator (TEG) with bulk material of bismuth telluride, Bi<sub>2</sub>Te<sub>3</sub>. Later, the performance of the TEGs is evaluated by considering attaching the TEGs on a plastic (polyethylene sheet) in contrast to the common method of attaching the TEGs on the metal surface.

**Keywords :** electric power, heat transfer, renewable energy, thermoelectric generator

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