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**FINAL REPORT:  
LOW COST SOLAR INVERTER BATTERY CHARGER**

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## **ABSTRACT**

The Solar Inverter is an important component in any solar power system. Solar inverter is a device that can convert direct current into alternating current. Sizes of inverters needed may vary, depending on the usage and the equipments or appliances used. Inverters are generally rated by the amount of AC power they can supply continuously. Solar inverters require a high efficiency rating. Since use of solar cells remains relatively costly, it is paramount to adopt high efficiency inverter to optimize the performance of solar energy system.

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