



**iGP:** Autonomous Car

**iGP Module:** Efficient Air Conditioning for EVs

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Portable air conditioner is considered a convenient and energy efficient way to maintain comfort to the human body. The objective of this project is to design and produce a prototype of a portable and efficient air conditioning unit to be installed in Electric Vehicles. It is also desired to establish a series of products based on cooling capacity and needs. The unique part of this project is that we are seeking an energy efficient product where no direct AC supply is needed. Power management will be maintained internally so that no cables is required