GADGET'S SOLAR CHARGER

AMIR HAZIQ BIN SAIFUL RIJAL
ZAHID BIN MD GHAZALI

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
MALAYSIA

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ABSTRACT

The solar power charger is designed to help people nowadays whom always have problems with their gadget's battery that always drain quickly. So, this solar power charger may help them to overcome this problem. Other than that, we designed this solar power charger because when people are travelling to a location that they didnt know when they will arrive, and their battery had drained out and there are no power source to connect to their charger to charge their mobile phone's battery. So with the existing of this project, it will overcome the problem that will be faced by the people who face the same problem. Our project is based on the demand of the people that their gadget is frequently running out of the battery whenever they use it vigorously. Especially when they are travelling or doing some activities in the woods. We have made many research on existing solar projects that suitable for a gadget like mobile phones.

This solar power charger is easy to use and user friendly. It is because people only need to connect the suitable USB cable to the solar power charger and connect to the device. As long as there is sunlight, this solar power charger can work and charge the device.

We only use solar module with 12 volts and 1 watt as our input and it will gives 5 volts for the output. 5 volts is enough to charge many devices because devices usually don't need much volts to be charged.

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LIST OF ABBREVIATIONS

USB	Universal Serial Bus
LED	Light Emitting Diode