

MULTI-PURPOSE MOBILE POWER SUPPLY

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ABSTRACT

This project report combines photovoltaic cells with a switched mode power supply for optimum power transfer. This project is using a 12V, 1A solar panel as an input source to the switched mode power regulated circuit. This is important to solar panels, because the amount of power available is limited and in order to make the best use of expensive solar panels and scarce sunlight.

This circuit is very useful, because it not only regulate the unstable input source, but also as a switched more power supply for whatever type of the load. There is no sagging further to the input source and automatic adjusts voltage to the load by setting of the circuit. Any form of power transfer failure will just simply stop from functioning.