

Solar Mobile Phone Charger Circuit

Abstract:

- The Solar Mobile Phone Charger Circuit project aims to develop a portable charging solution for mobile phones using solar energy.
- This project integrates photovoltaic solar panels with electronic components to harness sunlight and convert it into electrical power suitable for charging mobile devices. The system consists of a solar panel array, a charge controller, a rechargeable battery, and a USB charging module.
- The solar panels capture solar radiation and generate DC (direct current) electricity, which is regulated by the charge controller to safely charge the battery.
- The rechargeable battery stores the solar energy and provides a stable power output for charging mobile phones.

