Performance Analysis Solar Tracking Systems

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Abstract: A Solar panel has been used increasingly in recent years to convert solar energy to electrical energy. The solar panel can be used either as a stand-alone system or as a large solar system that is connected to the electricity grids. The earth receives 84 Terawatts of power and our world consumes about 12 Terawatts of power per day. We are trying to consume more energy from the sun using solar panel. In order to maximize the conversion from solar to electrical energy, the solar panels have to be positioned perpendicular to the sun.itipositio perpendicular to the sun for maximum energy conversion at all time.

Keywords: Arduino Uno, solar panel, USB cable, Jumper wire, 10k register, server motor.