



075-EP

PV SYSTEM PROJECT

Ahmed Mohamed Ebeed, Elhossien Osama Elmansi Ali, Ahmed Mohamed Tokhy, and Ahmed Elsayed Sawwan

Zagazig university, Egypt, ahmedebeed675@gmail.com , elhossien.osama@gmail.com ., ahmedsawwan0552gmail.com
, ahmedtokhy33@gmail.com

Supervisor: prof.Dr:Amal farouk,
Zagazig university, Egypt, amgawad2001@yahoo.com

Renewable energy solutions are becoming increasingly popular. Photovoltaic (solar) systems are but one example. Maximizing power output from a solar system is desirable to increase efficiency. In order to maximize power output from the solar panels, one needs to keep the panels aligned with the sun. As such, a means of tracking the sun is required. This is a far more cost effective solution than purchasing additional solar panels. It has been estimated that the yield from solar panels can be increased by 30 to 40 percent by utilizing a tracking system instead of a stationary array. This project develops an automatic tracking system which will keep the solar panels aligned with the sun in order to maximize efficiency