Solar Panel Tracker Using PIC Microcontroller 16F628A

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Abstract: *Energy sources are of two types renewable and non-renewable. 'Renewable' resources are those that recover their capacity in a time significant by human needs. Examples are sun light or wind power, when natural phenomenon that are the primary source of energy are going and not depleted by human demands. Now days, sometimes we complete our demand of electricity with the help of solar energy. This is done with the help of solar panels. By maintaining the solar panel always perpendicular to the incident sun rays we can receive maximum amount of energy. For this purpose, we have to set the tracker below the solar panel which always sets the panel orientation towards maximum intensity.*

Keywords: Solar Panel Tracker.

REFERENCES

[1]. Muhammad Ali Mazidi. *The 8051 Micocontroller and Embedded System*. Second Edition, Pearson, 2008, ISBN 978-81-317-1026-5.
[2]. Raj Kamal. *Embedded System.* New Delhi: Tata MacGraw Hill, 2008, ISBN-10: 0-07-066764-0
[3]. Ajay Deshmukh. Microcontrollers, The MacGraw-Hill Companies.
[4]. Microcode Studio, instructions set.
[5]. Melabs programmer instructions set