

Harmonic Analysis of Grid Connected Photo Voltaic System



Project Advisor

Muhammad Fahad Zia

Submitted by

Omar Raza Khan 12002102-015

AwaisRehmani 12001102-002

Department of Informatics
School of System and Technology
University of Management and Technology

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Advisor Name: - Muhammad Fahad Zia

Advisor Signature: - _____

Omar Raza Khan 12002102-015

AwaisRehmani 12001102-002

Abstract

Since nonrenewable energy sources are depleting extremely fast. Pakistan is in grave danger in the next couple of decades, so if we don't take our mind towards renewable energy sources like sun, then there may not be any electricity in Pakistan to lamp our houses. The aim of this project is to provide a solution for the energy crisis that is not only cost effective, but also easy to implement. The project focuses on maximizing the solar power generation through batter inverter control and working. This project provides a way to keep grid electricity usage to minimum and utilize the solar energy as much as possible, and in case of extreme conditions of weather a battery plan is also available. As well as smart grid photo voltaic system connected to the power grid in this case there is need to minimize the harmonic distortion to standard level which depends on different technique of inverter control.

Dedication

First of all, we are very thankful to ALLAH ALMIGHTY who has given us enough courage to complete this project.

Dedicated to

Our loving Parents

&

Our Very Beloved Teacher & Co Advisor

Sir Muhammad Salik R.I.P

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Table of Contents

Title.....	I
Abstract	III
Dedication.....	IV
Acknowledgements	V
Table of Contents	VI
List of Figures	VIII

<u>Chapter 1</u> Introduction.....	1
1.1 Introduction to Solar Energy.....	1
1.2 How Solar Energy Is used.....	2
1.3 Scope of Solar Energy in Pakistan.....	3
1.4 Smart Grid.....	3
1.5 Basic Ideas.....	4

<u>Chapter 2</u> Project Basics.....	5
2.1 Block Diagram.....	5
2.2 Irradiance and Temperature.....	5
2.3 Photo Voltaic Arrays.....	7
2.4 Power Quality.....	7
2.5 Inverter.....	8
2.5.1 Inverter Control.....	8
2.5.2 Types of Solar Charge Controllers.....	9
2.5.2.1 MPPT.....	9
2.5.2.1.a Perturb & Observe Technique.....	9
2.5.2.2 P.W Modulation.....	10
2.6 Load.....	10
2.7 Grid.....	10
2.8 THD (Total Harmonic Distortion)	10

<u>Chapter 3</u> Models & Simulations.....	11
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Chapter 4	Results & Conclusions.....	14
4.1	Results.....	14
4.2	Conclusions.....	19
References		21
Appendix		23