PORTABLE SOLAR SOCKET

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A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)

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"I declare that this report entitled "Portable Solar Socket" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

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ABSTRACT

Portable Solar Socket is transportable socket that worth with solar energy. One of the most important applications for the socket will be as a camping socket. This device is able to harness the sun's ray to solar power digital gadget for example cellphone. Portable solar socket works with photovoltaic solar panels, which generate electric current where they are exposed to light. The two-axis tracker is built to orient the photovoltaic panels towards the sun. Inside the prototype, there are three lead acid rechargeable batteries. These batteries used to store energy if users want to use it at night where can generate about 12V each.

TABLE OF CONTENTS

CHAPTER	CONTENTS	PAGE
	DECLARATION	i
	DEDICATION	ii
	ACKNOWLEDGEMENTS	iii
	ABSTRACT	iv
	ABSTRAK	v
	TABLE OF CONTENTS	vi
	LIST OF TABLES	ix
	LIST OF FIGURES	ix
	LIST OF SYMBOLS	x
	LIST OF ABBREVIATIONS	x
	LIST OF APPENDICES	xi
1	**INTRODUCTION**	
	1.1 Background	1
	1.2 Problem Statement	2
	1.3. Objectives	
	1.3.1 Break the usage limits	3
	1.3.2 Prevent using non-renewable	3
	1.3.3 Practical learning	3
	1.4 Scopes of works	
	1.4.1 Limitations	4
	1.4.2 Abilities	4