

CONTENTS

1	Solar Energy: Its Time Has Come	1
2	Availability of Solar Energy	3
3	Solar Energy Collectors	9
	Flat Plate Collectors	
	Solar Concentrators	
4	Heating for Houses and Buildings	21
	Flat Plate Collector Systems	
	Concentrator Systems	
	Roof Ponds	
	The French System	
	Costs	
5	Solar Water Heaters	36
6	Air Conditioning	43
7	Electric Power Generation	47
	Solar Thermal Power Generation	
	Photovoltaic Power Generation	
8	Total Energy Systems	60
9	Industrial and Agricultural Applications	65
	Solar Furnaces	
	Air Heaters	
10	Solar Stills	72
11	Clean Renewable Fuels	76
12	Ocean Thermal Power	82
13	Geosynchronous Power Plants	93
14	Power From The Wind	98
15	Solar Energy Tomorrow	103
	References	105
	Glossary	115
	Index	119