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Sommario/riassunto	This book is an ideal reference text for teaching renewable energy to engineering and science students, as well as a reference book for scientists and professionals doing self study on the subject. The book has twelve chapters and starts with the definition and classification of renewable and non renewable energy and their status at global level. This chapter also contains the basic heat transfer mechanisms and laws of thermodynamics. It then deals with availability of solar radiation at different latitudes and energy and exergy analysis of flat plate collector, solar air collector, solar conc