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Nota di contenuto	Introduction -- Useful material parameters -- Manufacturing -- Concepts -- Problems and challenges -- Measurement techniques -- Simulation -- Long term stability and degradation -- State of the Art -- Silicon based heterojunction solar cells in China.
Sommario/riassunto	Amorphous Silicon/Crystalline Silicon Solar Cells deals with some typical properties of heterojunction solar cells, such as their history, the properties and the challenges of the cells, some important measurement tools, some simulation programs and a brief survey of the state of the art, aiming to provide an initial framework in this field and serve as a ready reference for all those interested in the subject. This book helps to "fill in the blanks" on heterojunction solar cells. Readers will receive a comprehensive overview of the principles, structures, processing techniques and the current developmental states of the devices. Prof. Dr. Wolfgang R. Fahrner is a professor at the University of Hagen, Germany and Nanchang University, China.