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How does a photovoltaic cell work?

A photovoltaic cell is PN semiconductor device that produces an electric current when exposed to light radiation[1,4]. Two metal conductors in contact on both sides of the PV cell (Figure 1.b), allow the flow of electrical current.



About the Editors. List of Contributors. Preface to the 2nd Edition. 1 Achievements and Challenges of Solar Electricity from Photovoltaics (Steven Hegedus and Antonio Luque). 1.1 The Big Picture. 1.2 What is Photovoltaics? 1.3 Photovoltaics Today. 1.4 The Great Challenge. 1.5 Trends in Technology. 1.6 Conclusions. 2 The Role of Policy in PV Industry Growth: Past, ???



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Handbook of Photovoltaic Science and Engineering. Edited by A. Luque and S. Hegedus 2003 John Wiley & Sons, Ltd ISBN: 0-471-49196-9 256 CRYSTALLINE SILICON SOLAR CELLS AND MODULES Table 7.1 Breakdown of costs of fabrication of single-crystalline (SX) and multicrystalline (MC) solar cells (corresponding to year 1990) [1] Item SX MC

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