



## Specific Pvmat R and D on Siemens Cz Silicon Product Manufacturing (Paperback)

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By National Renewable Energy Laboratory (NREL)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This report describes work done by Siemens Solar Industries (SSI) from June 1998 to June 1999 during Phase I of a three-phase Photovoltaic Manufacturing Technology (PVMaT 5A2) subcontract from DOE/NREL. The work focuses on improvements in the cost per watt of Cz modules and improved PV module manufacturing technology. The first step toward reducing cost was to reduce wafer thickness. The approach has been a two-step reduction in thickness, from 385 microns to 250 micron cells, and then from 250 microns to 125 micron cells during Phase II. During Phase I, the handling tools, the back-surface-field process, and the confirmation of the environmental integrity of thinner wafers have all been accomplished.



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