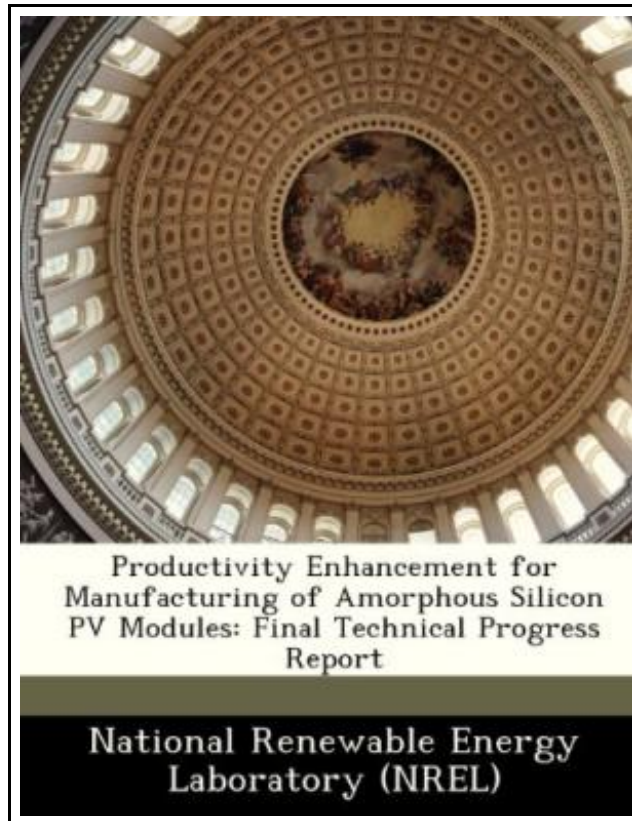


Productivity Enhancement for Manufacturing of Amorphous Silicon Pv Modules: Final Technical Progress Report



Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.
(Felicia Nikolaus)

PRODUCTIVITY ENHANCEMENT FOR MANUFACTURING OF AMORPHOUS SILICON PV MODULES: FINAL TECHNICAL PROGRESS REPORT

DOWNLOAD



To get **Productivity Enhancement for Manufacturing of Amorphous Silicon Pv Modules: Final Technical Progress Report** eBook, make sure you access the button beneath and save the file or gain access to other information which are related to PRODUCTIVITY ENHANCEMENT FOR MANUFACTURING OF AMORPHOUS SILICON PV MODULES: FINAL TECHNICAL PROGRESS REPORT book.

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The overall objective of this subcontract over its two-year duration is to continue the advancement of Energy Photovoltaics, Inc. s (EPV) a-Si production manufacturing technology and improve the production equipment used in manufacturing. This will allow EPV to reduce module costs by increasing module output, throughput, and yield. EPV conducted parallel research efforts for achieving higher stabilized module power output through improvements in several manufacturing processing steps, with particular emphasis on the thin-film deposition process. The dual goals of achieving a 20 gain in stabilized output and a 20 reduction in direct costs were accomplished. The 20 gain in stabilized output increased the power of the standard 0.79 m² module to about 45 watts. This was achieved through optimizing the a-Si deposition process to improve stability, increasing the active area of the module, and developing a ZnO/Al back reflector to increase the light absorption of the a-Si. Additionally, improvements were made to the a-Si uniformity, and an improved TCO was incorporated into the standard product. The goal of reducing costs by 20 was exceeded, resulting in an estimated direct cost of \$1.41/W, for the process in EPV s New Jersey facility. This was accomplished through a complete review of the process that resulted in lower material costs, lower labor costs, less downtime, and higher module power, as noted above. The process was streamlined and made more efficient by eliminating or combining process steps, and selected processes were automated. In addition, improvements were made to the characterization and measurement techniques used in the module optimization process.



[Read Productivity Enhancement for Manufacturing of Amorphous Silicon Pv Modules: Final Technical Progress Report Online](#)



[Download PDF Productivity Enhancement for Manufacturing of Amorphous Silicon Pv Modules: Final Technical Progress Report](#)

Related Kindle Books



[PDF] On Becoming Baby Wise, Book Two: Parenting Your Five to Twelve-Month Old Through the Babyhood Transition

Click the link listed below to read "On Becoming Baby Wise, Book Two: Parenting Your Five to Twelve-Month Old Through the Babyhood Transition" document.

[Read PDF »](#)



[PDF] Weebies Family Halloween Night English Language: English Language British Full Colour

Click the link listed below to read "Weebies Family Halloween Night English Language: English Language British Full Colour" document.

[Read PDF »](#)



[PDF] Trouble Free Travel with Children Over 700 Helpful Hints for Parents of the Go by Vicki Lansky 2003 Paperback

Click the link listed below to read "Trouble Free Travel with Children Over 700 Helpful Hints for Parents of the Go by Vicki Lansky 2003 Paperback" document.

[Read PDF »](#)



[PDF] Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3

Click the link listed below to read "Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3" document.

[Read PDF »](#)



[PDF] Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online

Click the link listed below to read "Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online" document.

[Read PDF »](#)



[PDF] A Parent s Guide to STEM

Click the link listed below to read "A Parent s Guide to STEM" document.

[Read PDF »](#)