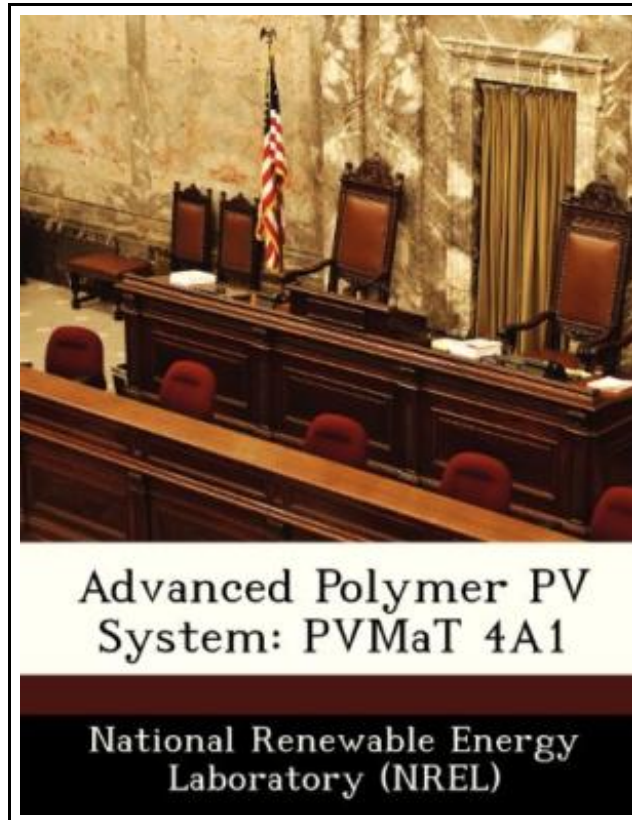


Advanced Polymer Pv System: Pvmat 4a1



Filesize: 9.45 MB

Reviews

It is simple in study safer to understand. It can be full of knowledge and wisdom Your way of life span is going to be enhance when you full looking at this book.

(Lavina Torp)

ADVANCED POLYMER PV SYSTEM: PVMAT 4A1

DOWNLOAD



Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This document reports on work performed by Evergreen Solar, Inc. under this Photovoltaic Manufacturing Technology (PVMaT) subcontract. The purpose of this subcontract was to produce lower module and systems costs through the innovative use of polymeric materials. The impetus behind this approach was the burgeoning use of polymers in such major industries as packaging and automobiles. The market demand in these industries has resulted in whole new areas of high-performance, but low-cost, plastics. These developments created fresh opportunities for photovoltaics. Using this approach, a new backskin material instead of Tedlar (Tedlar is a Dupont trademark) or Tedlar laminate was developed and tested. This new backskin material allowed us to make a frameless module and novel mounting methods. The latter is referred to as an Innovative Mounting System (IMS). This IMS system, in conjunction with the frameless module, substantially reduces the cost of installed PV systems by reducing labor and materials costs, both in the factory and in field installation. The IMS incorporates several advances in polymers, processing methods, and product design. The advanced backskin material permits elimination of the conventional aluminum perimeter frame, serves to protect and seal the module edge, and allows for direct bonding of multi-functional mounting bars. Electrical interconnection is easier and more reliable with a new junction box that Evergreen has designed after soliciting user feedback. A new transparent encapsulant material, to replace ethylene vinyl acetate (EVA), was developed and tested as part of this subcontract. Early results indicate it will have a number of advantages over EVA, not least of which is better resistance to degradation under light exposure. This new encapsulant can be laminated in air and has also allowed for the...



[Read Advanced Polymer Pv System: Pvmat 4a1 Online](#)



[Download PDF Advanced Polymer Pv System: Pvmat 4a1](#)

Relevant Kindle Books



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Download eBook »](#)



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Download eBook »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download eBook »](#)



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Download eBook »](#)



A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Download eBook »](#)