

Striving for a standard protocol for preconditioning or stabilization of polycrystalline thin film photovoltaic modules



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Reviews



It is simple in read easier to understand. I am quite late in start reading this one, but better then never. Its been designed in an exceptionally easy way in fact it is just following i finished reading through this publication where basically transformed me, alter the way i really believe.

(Ms. Christy Ondricka DDS)

STRIVING FOR A STANDARD PROTOCOL FOR PRECONDITIONING OR STABILIZATION OF POLYCRYSTALLINE THIN FILM PHOTOVOLTAIC MODULES



No binding. Book Condition: New. This item is printed on demand. Original publisher: Golden, Colo. : National Renewable Energy Laboratory, 2009 OCLC Number: (OCoLC)727282829 Subject: Photovoltaic cells -- Stability. Excerpt: . . . Performance changes in CdTe A, B, C modules due to stabilization procedures Module odd even numbers and dark light colors dark light exposures after dark 90 C anneal Changes plotted relative to baseline 20) initial preconditioning outdoor STC 10 exposures result in small changes (0 -10 A1 dark 90 C anneal A2-20 B1 degrades performance of Bs due to FF -30 B2 C1 10 recovers performance of A and C 0 increases Voc for all modules FF A1-10 A2 exposures subsequent to dark anneal B1-20 B2 keep A1, A2 gains in dark light exposures C1-30 B1 improves in dark soak, B2 improves 10 st at 1 then degrades in light soak 5 oc C1 slowly loses gains in dark-soak V 0 A1 Performance () post dark anneal STC-5 A2 2 B1 A2, B1 moderately stabilized (2) STC 0 B2 Isc after 3 exposures C1-2 rest not stabilized (2) -4 STC P o 4 o 2 o 4-6 48 1 9 B lig 26 dark exposures appear no worse than, and r 8 r 4 r 8 ree outd outd 0 C ann kW ase 24 48 48 kW ht-s kW-kW-kW-h m kW-h xistin are equally capable of driving toward-h m h h h eal 2 line oor oor-h m dark oak h m h m dark dark dark stabilized as light exposures m STC g 2 2 2 2 2 National Renewable Energy Laboratory Innovation for Our Energy Future This item ships from La Vergne, TN. unknown.

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