



Improved Radiometric Calibrations and Measurements for Evaluating Photovoltaic Devices (Paperback)

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 *****.The Photovoltaic Radiometric Measurements Task has improved broadband and spectral measurement capabilities at NREL. These improved NREL s capabilities affect the Photovoltaic Module and Array Performance and Reliability and Photovoltaic Measurements and Characterization Projects. Recent improvements (during 2000) in broadband radiometer calibrations result in the removal of bias errors on the order of 20 watts per square meter (W/m?) in the measurement of global-hemispherical solar radiation. The improvements described are partially due to technical interactions by members of the Measurements and Instrumentation Team with the U.S. Department of Energy Atmospheric Radiation Measurement Program (ARM), National Aeronautics and Space Administration (NASA) Earth Observing System (EOS) Validation Program, World Meteorological Organization (WMO) Baseline Surface Measurement Network (BSRN), and National Oceanic and Atmospheric Administration (NOAA) Solar Radiation Research Branch (SRRB). New equipment has been purchased and techniques have been developed to characterize pulsed solar simulator spectral distributions. New equipment has been purchased and will be installed in the redesigned Solar Radiation Research Laboratory (SRRL) Baseline Measurement System (BMS). Expanded measurement capability, including sky radiance mapping, extensive ultraviolet and infrared radiation

Reviews

An exceptional publication as well as the font applied was intriguing to learn. It usually does not charge an excessive amount of. Its been designed in an exceedingly basic way and it is just after i finished reading through this book through which in fact altered me, modify the way in my opinion.

-- **Haylee Hackett**

It in a of the best ebook. It generally is not going to expense excessive. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Ara Williamson**