Record Nr. UNINA9910703292503321 Ensuring quality of PV modules [[electronic resource]]: preprint // Titolo Sarah Kurtz ... [and others] Pubbl/distr/stampa [Golden, CO]:,: National Renewable Energy Laboratory,, [2011] Descrizione fisica 1 online resource (6 pages) Collana NREL/CP;;5200-50651 Altri autori (Persone) KurtzS. R Photovoltaic cells - Standards - Evaluation Soggetti Solar cells - Testing Quality assurance Quality of products Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Title from title screen (viewed July 27, 2011). "July 2011." "Presented at the 37th IEEE Photovoltaic Specialists Conference (PVSC 37), Seattle, Washington, June 19-24, 2011." Nota di bibliografia Includes bibliographical references (page 6). Sommario/riassunto Photovoltaic (PV) customers need to have confidence in the PV modules they purchase. Currently, no test can quantify a module's lifetime with confidence, but stress tests are routinely used to differentiate PV product designs. We suggest that the industry would be strengthened by using the wisdom of the community to develop a single set of tests that will help customers quantify confidence in PV products. This paper evaluates the need for quality assurance (QA) standards and suggests a path for creating these. Two types of standards are needed: 1) QA of the module design and 2) QA of the manufacturing process.