



Sun simulation for photovoltaic

Sun Simulation and UV irradiation - Test systems for Photovoltaic Modules

- PV-modules are expected to work perfectly for more than 20 years, at environment conditions that are permanently changing and often quite adverse. Therefore the PV-modules have to be tested under extreme conditions in order to ensure that they have the required quality.
- The testing procedure also includes various qualification tests regarding the artificial load of the materials used for PV-modules. These tests are defined in the standards **IEC 61215** and **IEC 61646**.
- In response to these requirements the Dr. Hönle AG has developed irradiation systems based on IEC 61215 / IEC 61646, which can primarily be used for tests like light soaking, hotspot or UV-preconditioning.

