

photovoltaic cell

A solid state device, usually a semiconductor such as silicon, which absorbs photons with energies higher than or equal to the bandgap energy and simultaneously produces electric power.

See also: photogalvanic cell

Source:

PAC, 1996, 68, 2223 (*Glossary of terms used in photochemistry (IUPAC Recommendations 1996)*) on page 2265

PAC, 1991, 63, 569 (*Terminology in semiconductor electrochemistry and photoelectrochemical energy conversion (Recommendations 1991)*) on page 593