

WPVS Reference Cell: SRC-2020

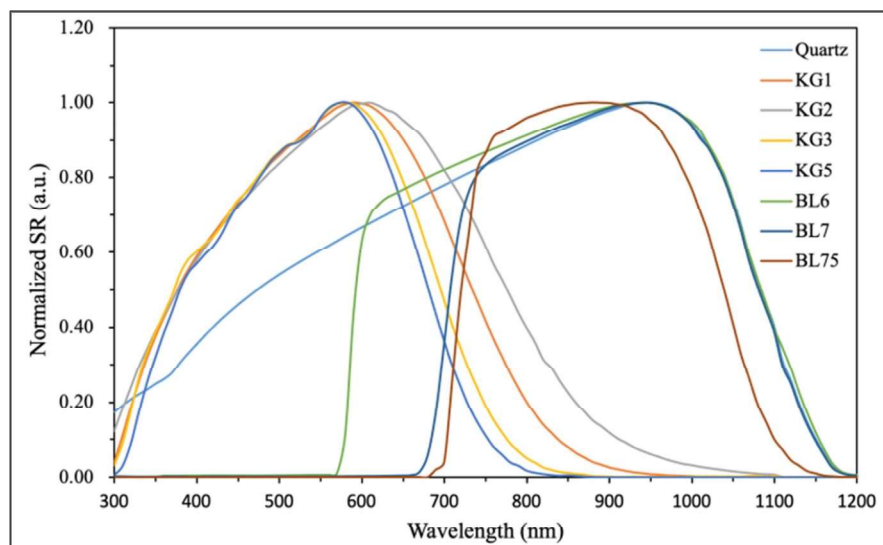
Introduction

Enlitech provides many types of reference cells complied with WPVS type and IEC 60904 standard. The purpose of the reference cells is to calibrate the irradiance of the solar simulator to accurately characterize solar cells performance. To keep up with the rapid development of new types of solar cells, Enlitech's unique filter-embedding technique helps control the reference cell's spectral response to different spectral wavelength ranges. It can reduce the spectral mismatch between the solar simulator and the solar cell.



It is necessary for reference cells to be calibrated and traceable to SI units through ISO/IEC 17025. Enlitech's calibration laboratory is accredited to ISO/IEC 17025 standard. All SRC-2020 series reference cells are calibrated and traceable to NREL or ISE Fraunhofer. Enlitech also offers recalibration services for reference cells. The spectral response curves are shown below.

Each SRC-2020 pack has a silicon solar cell encapsulated with an optical window, two LEMO cables and a certified irradiance calibration report.



Except common quartz and KG windows, SRC-2020 also provide exclusive reference cells for perovskite/Si tandem bottom cells, such as BL6, BL7, and BL75.

