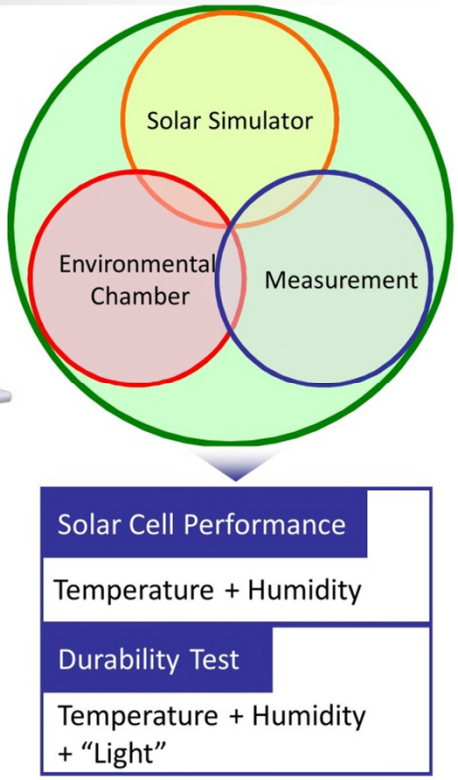
All-in-one Light Environmental Chamber System



Specifications

Features	Specifications
Intended objects	Dye-sensitized solar cells, Organic solar cells, other next generation solar cells Maximum irradiation area 156mm x156mm
Light Source (Solar Simulator)	Solar simulator with 700 W Xe lamp (Maximum irradiance 1.5 sun) - Spectral Coincidence: Class A (JIS C8912/8933) - Uniformity: Class B (JIS C8912/8933) - Temporal fluctuation Class A（JIS C8912/8933） 5 x 5 cm optical filter folder for NE filter, Color filter, and UV cut filter, IR cut filter and etc. Feed-back circuit during continuous irradiation.
Environmental Camber	Temperature range: -40-150°C Humidity range 30-95%RH(Option) * Actual controllable temperature and humidity ranges may be different from the above ranges. Optical Window for solar simulator equipped with system preventing condensation No condensation at 85°C/85%RH
Measurement	I-V parameters(based on JIS8913), Energy conversion efficiency, Irradiance, solar cell circumstance temperature.
Main function of Software	Scheduling operation of Solar simulator, Environmental Chamber, and etc. Drawing I-V and P-V curves. Drawing trend graph, humidity, temperature, cell temperature. Drawing time courses of some parameters, graph between some parameters
Others	Accessories: PC, Sourcemeter, multimeter, Bench, light intensity meter, sample holder, Kelvin clip lead Option: multi channel measurement, Special contact stage