Solar Simulator Model: SIM2000

Properties

Input Voltage	220 V-AC
Light production	Zenon Lamp and LED
LED Light Sources	UV, Visible and IR
Number of LED	64
Spectral range	350-1100 nm
Room temperature	Digital display
Intensity at the sample site	$1000 \frac{W}{m^2}$
Radiation standard	Am 1.5
Change the light intensity	Change height
Body material	Colored Iron Sheet
cooling system	Top Fan
Weight	25 Kg
Dimensions	40 (L)*40(W)*60(H)

Applications

➢ Physics labs
➢Chemical labs
➢Nano-physics labs
➢Nano-electronics
➢etc.

More

The solar simulator system is designed and built on the use of LED light sources and the original source of the Xenon Lamp 8000 Kelvin, with the aim of creating radiation spectra similar to that of the diverse suns, thus making photovoltaic studies in the laboratory easy and accurate. Provided above. This system can determine the solar cell's I-V curve, open-circuit voltage, short-circuit current and solar cell efficiency.