

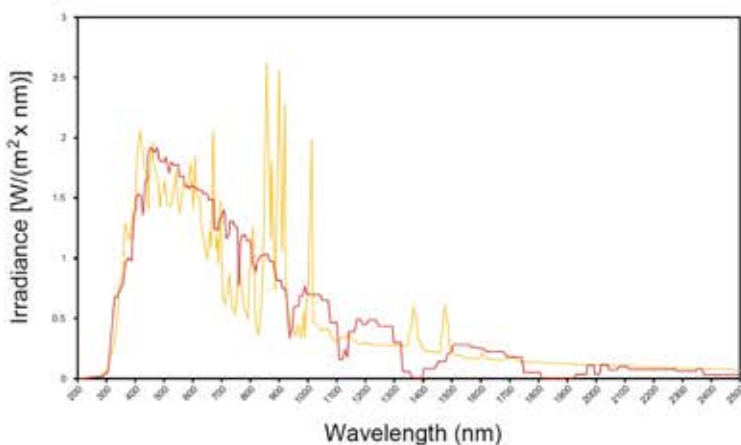


Solar Lamp HMI 4000/6000/9000

Specially designed for solar simulation



HMI 4000 solar lamp is to simulate sunlight effects for material testing. It is used for solar radiation simulation as the metal halide lamp's spectrum is similar as the Sun. It is widely used for solar panel testing as its output radiation is 1000W/m² on panel during testing. With our Siemen PLC and controller, the radiation can be dimmable from 400 to 1200W/m².



Features

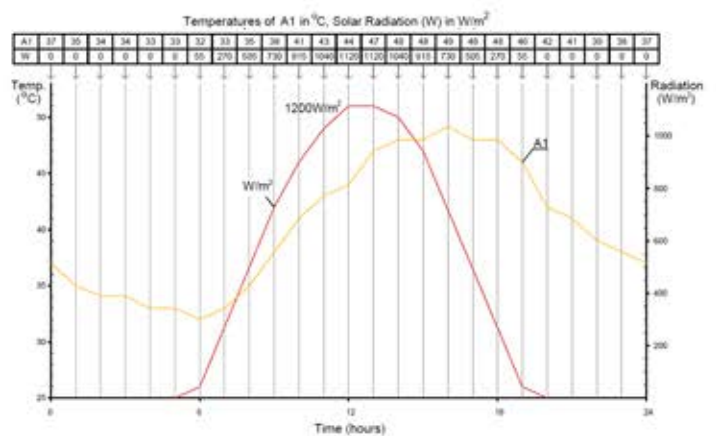
- Radiation range: 400 to 1200W/m²
- Lamp: metal halide lamp 4000W / 6000W / 9000W
- Solar radiation according to CIE85
- Controller: Siemen PLC with LCD touch screen
- Operation mode: fix or program mode
- Meets standards DIN, IEC, EPA, MIL and other



HMI series solar lamp is designed for solar simulators of any size.

Application include:

- Solar panel testing
- Integrated with solar chamber
- Sun simulation



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Standards and Test Methods

General standard: CIE85, IEC-904-3

PV Module / Solar: IEC 61215, IEC 61646, IEC 86-2-5, IEC 60068, ASTM E-892

Automotive: DIN75220, ISO 12097-2EPA 40 CRF, SC03, BMW PR 306.5

Solar Lamp

Model	MHI4000 / HMI6000/ HMI9000
Metal halide lamp	4000W / 6000W / 9000W
Spectrum	Radiation 280-3000 nm similar CIE 85 ASTM E 892-87
Cooling	Air cool
Filter	UV cut-on at 320 nm
Ambient temperature	-20 °C - +70 °C
Design	Standalone or ceiling mounted
Weight	25 kg



Electronic Power Supply (EPS)

Model	EPS4000 / EPS6000/ EPS9000
Output power	4000W/ 6000W / 9000 W
Dimmable	50-100%
Light fluctuation	<3%
Output current	Square wave: 50Hz, 60Hz, 75Hz, 300Hz
Design	Rack mount or standalone
Input voltage	180-250Vac

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