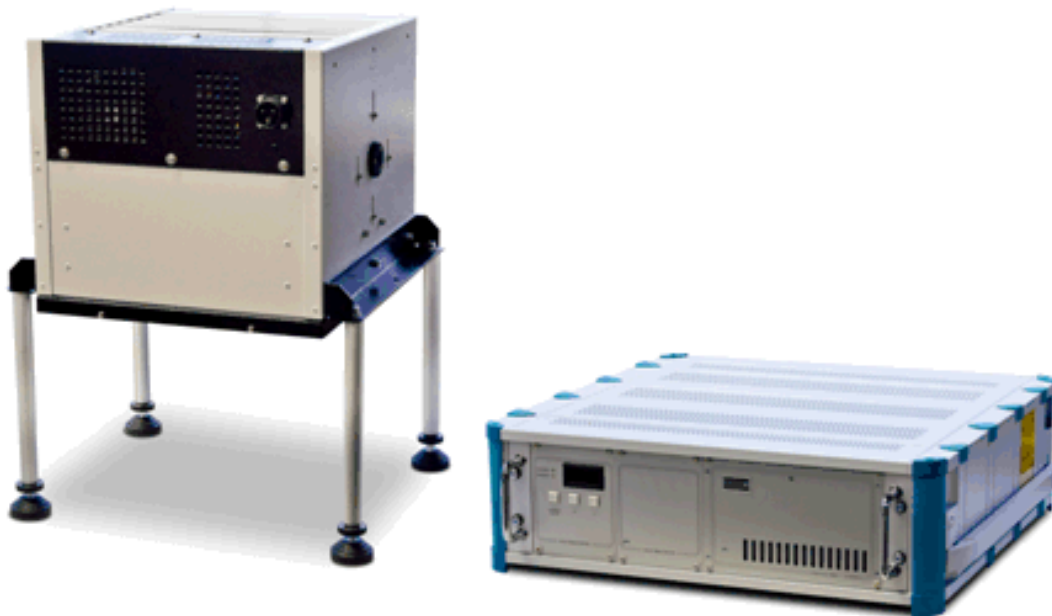


Technical Data Sheet

Atlas SolarTest 1200

Test facility to simulate the Global Radiation, irradiating an exposed area of either 150 mm x 150 mm with a uniformity of $\leq \pm 3\%$ or and area 200 mm x 200 mm with a uniformity of $\leq \pm 5\%$

Delivery time Approx. 3 to 4 months



Technical Data

Radiation Unit

Radiation source:	Metal Halide 1200W
Lamp power:	1.200 W (nominal)
Colour temperature:	5.600 K (+/-150 K)
Average lifetime:	750 h / 1.500 starts
Filter system:	Borosilicate filter <290 nm / Dispersion plate
Uniformity:	150 mm x 150 mm, $\leq \pm 3\%$ 200 mm x 200 mm, $\leq \pm 5\%$
Irradiance:	Depends on the distance, approx. 1.050 W/m ² at a distance of 340 mm from the lower edge of the radiance funnel and at maximum calibration of the potentiometer
Spectral distribution:	Similar to the Global Radiation 280 nm - 3.000 nm, CIE Publ. No. 85, Table 4
Light modulation:	< +/-1 %
Dimensions (WxDxH):	450 x 450 x 450 mm
Weight:	8 kg

Power Supply and control unit

Connection:	230 V AC, 50-60 Hz, 1PH/N/PE, 1900 VA
Output power:	1.200 W
Output current:	Max. 17 A
Output voltage:	Max. 350 VAC (idle)
Current type:	Square wave, bipolar
Adjustment range:	51 % -100 % of the output power
Light current modulation:	< 4%
Control:	Power controlled and current stabilized during start phase power stability $\pm 1\%$ at $\pm 10\%$ mains deviation
Noise level:	< 70 db _A
Max. ambient temperature:	40 °C
Cooling:	Fan
Rel. humidity:	10-95 %, no condensation
Luminous flux modulation:	Approx. 1 %
Dimensions (WxDxH):	590 x 175 x 550 mm
Weight:	10 kg