

ASLI XL-1000-B Solar simulation test equipment for photovoltaic panel



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Application:

Xenon Test Chamber is a comprehensive climate testing machine, it can do climatic aging test , and also can do fading acceleration test under color effect or color changed. The test range including: dyeing and finishing, printing, leather, plastic, plyglass, painting, textile, printing ink, rubber and also the industry relative color. Light fastness and fade grade can be known in short time. Those materials exposed at simulated sunlight to evaluate the material's light fastness performance. To simulate and strengthen the test according to light energy, temperature, rain fall or condensation, humidity, .etc these main climate factors. Adopt simulated sunlight spectrum's Xenon arc light to create destructive waves under different environment. It can be used for choosing new materials, improving existing materials, or assessment of durability change after material composed.

Features:

1. Advanced design technology and concept.
2. EXcellent technology of producing and outstanding system of quality management.
3. Xenon lamp tester can be the most realistic simulated solar spectrum, including ultraviolet, visible and infrared.
4. Be tested in the range of the full spectrum, necessary for most textile sun and color fastness test.
5. To determine the color fastness and aging to sunlight, weather resistance, etc.

Technical Parameters:

Model	XL-1000-B
Internal Dimension	W1000xH1000xD1000 (mm)
External Dimension	W1500xH2000xD1400 (mm)
Tube Using Life	1500 (H)
Tube Power	1KW/6KW
Illumination intensity	Full spectrum 1200±200w/m ²
Lighting Filter Type	Quartz Quartz
Cooling System	Water cooling or wind cooling
Temperature Control Range of the Test Cabinet	RT+15 degree ~80 degree
Humidity Control Range of the Test Cabinet	30%R.H. ~ 98%R.H.
Rotating Speed of the Samples Holder(RPM)	1~5 adjustable
Diameter of Sample Shelf(mm)	500±50
Sunlight Exposure Cycle	0.01~999 hours 59mins
Raining Period/ Time	Raining Period:1~240mins,discontinuous-type, adjustable Raining Time:1~9999mins, adjustable, water spray pressure 70~130Kpa
Spray Water Flow (L/min)	1~2.4
Explore Area(cm ²)	7500
Power	AC 380V, 50/60HZ , 3φ 5 Lines