

ISOSun Selection Guide

infiniPV ApS offers a broad range of solar simulator systems from the low cost laboratory work horse ISOSun that runs 24/7 in the lab, through high power lamps to advanced solar concentrators to industrial R2R solar simulators.

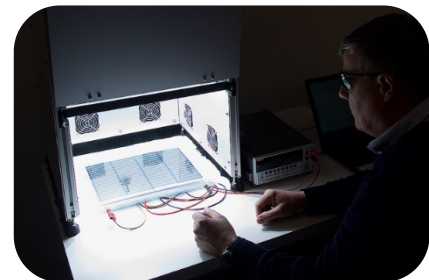
Common to the infiniPV solar simulators, is that they offer reliable operation with even light distribution and stable illumination level. They are available with a selection of light sources and cover the wavelength range from 280-2500 nm. With special filtering the intensity and spectral distribution of the light can be controlled.



Key highlights:

infiniPV solar simulators are unique on several fronts:

- Large illuminated areas
- Very high degree of homogeneity over the large area compared to size class A/B for all products (Class A over 10 cm x 10 cm, Class B over 45 x 45 cm)
- Very high degree of temporal stability (Class A)
- Stable metal halide or LED light sources with good spectral match (Class A/B)
- Designed for continuous operation for many years
- Very safe in use with little emission of light to the surroundings during testing
- Equipment that does not interfere with adjacent equipment or experiments
- Fully CE-approved and compliant
- Very flexible test chamber allowing easy access of any testing probe (wires, hoses, gas etc.)
- Completely integrated system with no extra parts needed
- Integrated light and temperature monitoring
- Simple change of filters during operation
- Easy control over light intensity and chamber temperature
- Fast industry 4.0 ready test software packages and interfacing to robotics



We are proud to state that no competitors can match our current quality, adaptability, price, and flexibility in our range of solar simulators.

Service and support:

We offer service using phone or skype on a 24/7 basis and we guarantee shipping of spare parts to Europe, US and RoW within 2 working days using DHL (islands and remote areas excluded).

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There are five overall ISOSun designs: ISOSun, ISOSun+, ISOSun100, ISOSunMLC, ISOSunR2R. Each are made to specific use cases and offers various options. The table below is a selection guide for our range of ISOSun products.

	ISOSun	ISOSun+	ISOSunMLC	ISOSun100	ISOSunR2R
1200 W Metal halide light source	✓			✓	
1800 W Metal halide light source		✓		✓	
Halogen light source					(✓)
LED lamp			✓		✓
Spectral synthesis			✓		
IPCE and inverse IPCE measurements			✓		
Flashed light source/light modulation			(✓)		(✓)
Fiber output			(✓)	(✓)	
Water filter				(✓)	
Extra optical filter	(✓)	(✓)		(✓)	(✓)
Extra neutral density dampening filters	(✓)	(✓)		(✓)	(✓)
Contactless mode					(✓)
IV and test software	(✓)	(✓)	✓	(✓)	✓
Computer control			✓	(✓)	✓
Sample cooling system	(✓)	(✓)	(✓)	(✓)	
Roll-to-roll testing and switching operation					(✓)
Roll-to-roll application					✓

Elements in brackets are obtainable as extra options