

LBIC Selection Guide

infinityPV light beam induced current (LBIC) systems enable ultrafast high resolution mapping of the photovoltaic response of solar cells over very large areas from single cells to modules.

infinityPV offers LBIC systems from low cost Basic LBIC, through the Economy series to Industrial LBIC systems. Laser light sources are available in single or dual wavelength configuration. Supercontinuum laser light sources are fully programmable from 400 to 2500 nm.

Features:

	Basic	Economy	Economy +	Economy Dual	Economy White	Industrial	Industrial Dual / Quad	Industrial R2R
Single laser wavelength *	✓	✓	✓			✓		✓
Dual laser wavelength * (simultaneous, superimposed)				✓			✓	✓
Supercontinuum (white) laser source					✓	(✓)	(✓)	(✓)
Modulation of light source		✓	✓	✓		✓	✓	✓
Light bias			✓	✓	✓	✓	✓	✓
Electrical bias			✓	✓	✓	✓	✓	✓
Contactless mode			✓	✓		✓	✓	✓
Phasing of light sources (for multijunction PV)				✓			✓	(✓)
30 x 30 cm ² test area	✓	✓	✓	✓	✓	✓	✓	✓
30 x 60 cm ² test area						(✓)	(✓)	(✓)
30 x ∞ cm ² test area								✓

* customer specific
Elements in brackets are obtainable as extra options