

Mobile Lab 3.0 XL

On-site testing of solar modules

Innovative inspection solutions



A+A+A+ certified Sun Simulator, Hi-Res EL and other testing options housed in one mobile PV-lab

- Field proven design
- Fastest throughput
- ED3 certified flasher
- Made in Germany

The Mobile Lab 3.0 XL provides all measurement and test methods needed for an objective analysis of solar modules in the field. With this powerful device insufficient output as well as hidden defects like micro cracks, inactive areas, hotspots and other quality issues can be identified quickly and reliable on-site.

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Field of Application

The updated 3rd generation of the MBJ Mobile Lab combines a certified enhanced spectrum A+A+A+ ED3 long-pulse LED sun simulator from MBJ Solutions and a high resolution EL test into one system. A Mobile Flasher ,only' version is also available. Infrared imaging, HiPot testing and other options can be added if needed.

The mobile units can be equipped with an air condition system, stabilizing the interior to standard test conditions allowing panel measurement as accurate as measurements from indoor labs.

All measurement data is saved automatically into a database. An automatically generated report compiles all the results into one pdf document for further analysis. A very short testing time per panel allows high volume on-site throughput at the highest quality level.

The lab is mounted into a system container. The system container can be easily mounted and transported on a suitable truck or flatbed trailer. For inside EU sales a fitting separate trailer or a pure trailer version is available.

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Model	Mobile Lab XL	Mobile Flasher XL
Module types	c-Si, PERC and thin-film up to 1050 x 2120 mm	
LED flasher	ED3 enhanced spectrum A+A+A+ flasher, 200-1200 W (IEC 60904-9)	
EL system	4 NIR cameras, 300 µm (~30MPixel)	no EL system
Included options	Connection and bypass diode test	
Options on request	A/C unit, IR imaging, HiPot, others	
Dimensions (W x H x L)	1750 x 2750 x 3650 mm	1750 x 2750 x 3650 mm

