Solutions to meet the needs

MBJ Quickcheck

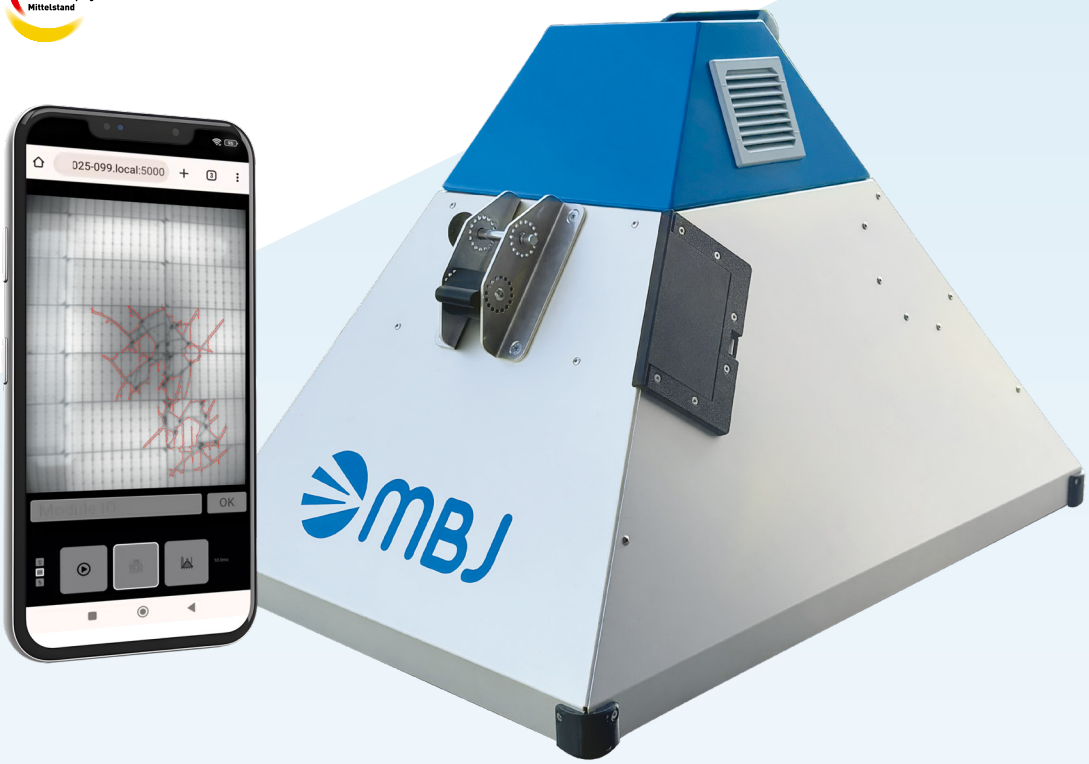
The MBJ Quickcheck enables a quick luminescence test in daylight to detect defects of installed PV modules. No intervention in the electrical installation is required. The compact system can be operated by just one person.

Supported by:

Federal Ministry for Economic Affairs and Energy

ZIM Zentrales Innovationsprogramm Mittelstand

on the basis of a decision by the German Bundestag



Luminescence test

Detects defects on installed modules.

Daylight operation

Best results during daylight operation.

Ready in seconds

No intervention in the elctrical connection.

Easy operation

Can be operated by one person with a smartphone.

Fastest test

Less than 1 min to test one module.

Made in Germany

In-house development, production, and distribution with German quality.

Luminescence system	
Camera resolution	640 x 512 pixel
Battery	Lithium-Ion battery 36 V 5 Ah 180 Wh including battery charger
Operation time	2-3 h continuous operation in live operation mode. Easy battery exchange possible.
Charging time	3 h
Data Storage	256 GB SSD drive
Software	Easy to operate through your smartphone or tablet. Displays live images. Storage of images with push button possible. Stitching of complete module images possible.

Transport box	
Dimensions (L x W x H)	800 x 600 x 600 mm
Weight MBJ Quickcheck	7 kg including one battery
Weight transport box	20 kg

Fastest on-site inspection ever

The Quickcheck is the ideal solution for quickly obtaining an overview of the condition of PV modules after installation, after a storm, or in the event of problems.

The device is placed on the module and can then be easily moved across the module using a telescopic pole.

The system is operated using a smartphone or tablet of your choice, which you can mount on the telescopic pole.

A live image of the module being tested is displayed directly on the smartphone. An AI based defect detection software will highlight defects in the live image.

Save images in the software for documentation and later analysis. The software guides the operator for stitching single images to one full module image.

Telescopic poles

106 –300 cm ext. length

130–400 cm ext. length

195–800 cm ext. length

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