pv magazine Webinar:

Das PID-Problem ist bewältigt, oder?

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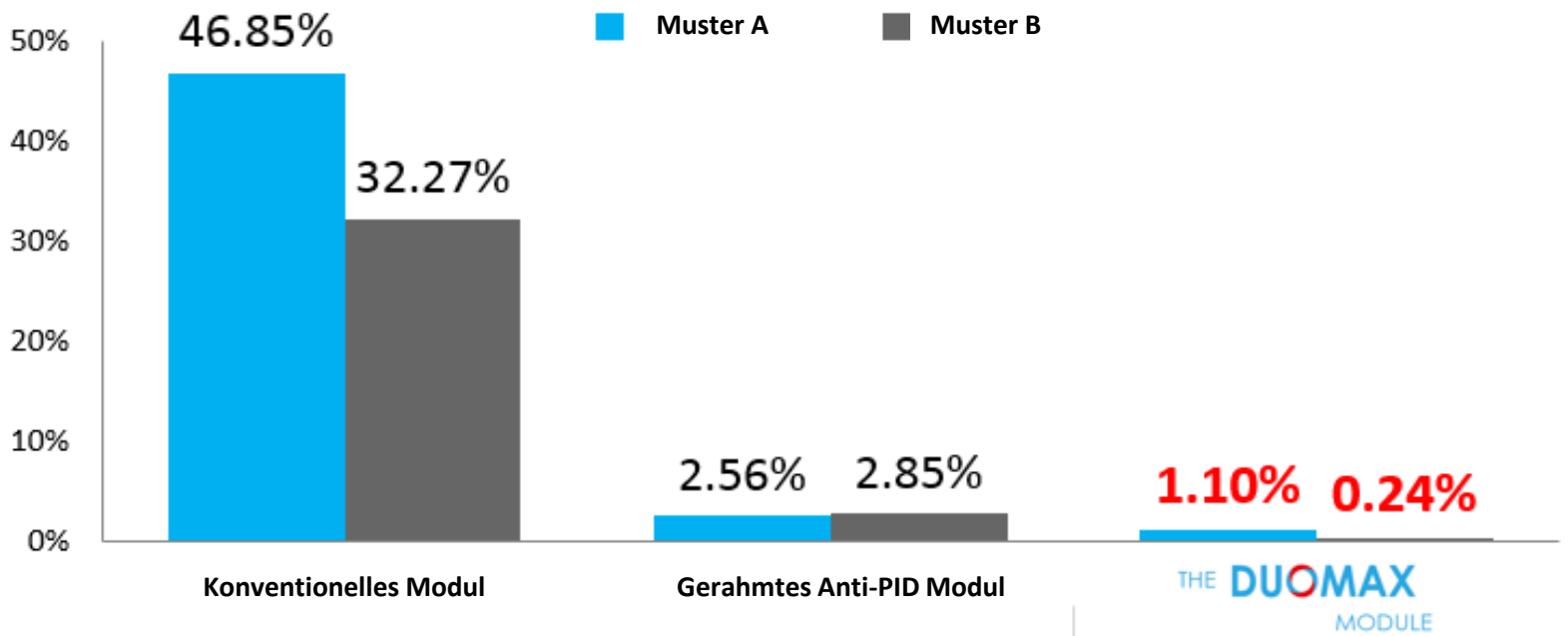
Umweltfaktoren

Abhängigkeit von

- Luftfeuchtigkeit
- Temperatur

Vergleich Leistungsminderung

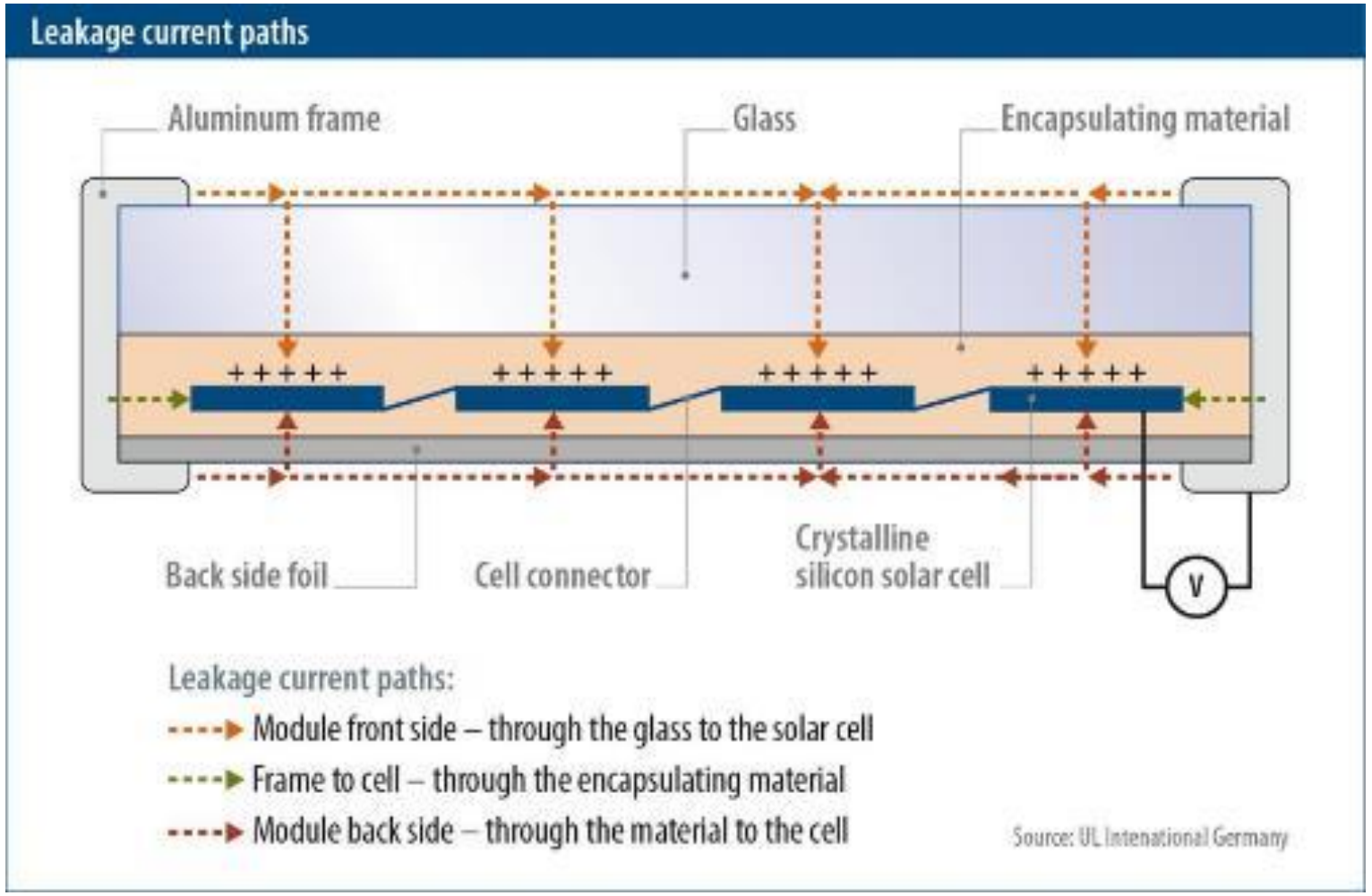


96 h, 85° C, 85% RH

1344h, 85° C, 65% RH + 576h, 85° C, 85% RH

864h, 85° C, 65% RH + 384h, 85° C, 85% RH

Potenzialinduzierte Degradation (PID) – Effekt



Abhängigkeit von

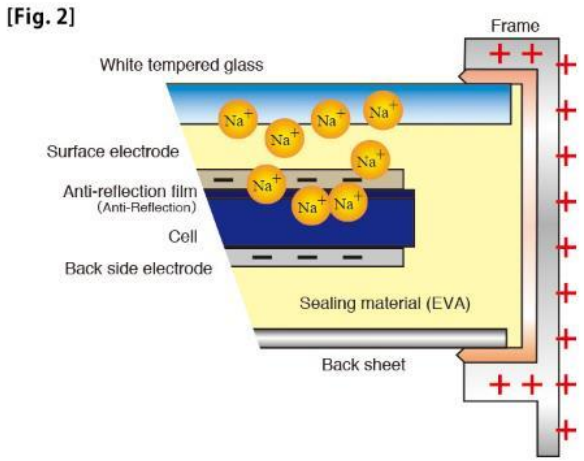
- Potentialunterschied
- Zelltechnologie
- Leitfähigkeit

Figure 1: Cross section of a crystalline photovoltaic module with possible leakage current paths. In typical p-type cells, the damaging leakage currents flow from the frame to the negative pole on the top side of the cells. For the PID effect, the orange path is the critical one.Graphics: Solarpraxis AG/Harald Schütt

Quelle: http://www.pv-magazine.com/archive/articles/beitrag/no-confidence-in-manufacturer-tests-_100012909/572/#axzz4MDuJ2dmc

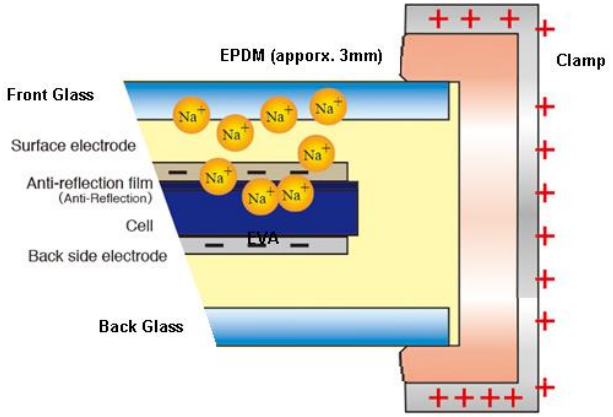
Vergleich gerahmte / rahmenlose Module

Gerahmte Module



Quelle: http://www.kikusui.co.jp/common/product/image/full/tos7210s_fig2_e.jpg

Rahmenlose Module



VIELEN DANK

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