



SunSniffer[®]

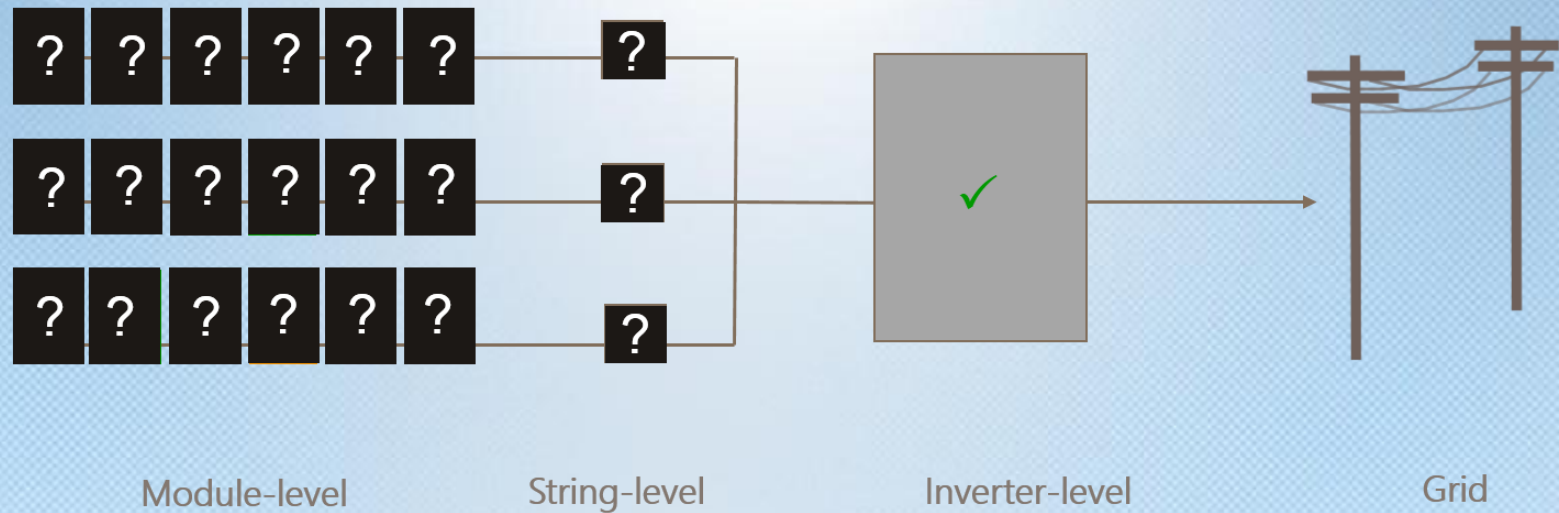
Transparency
down to module level
secures bankability

Indo-German Energy Forum – InterSolar India 2016

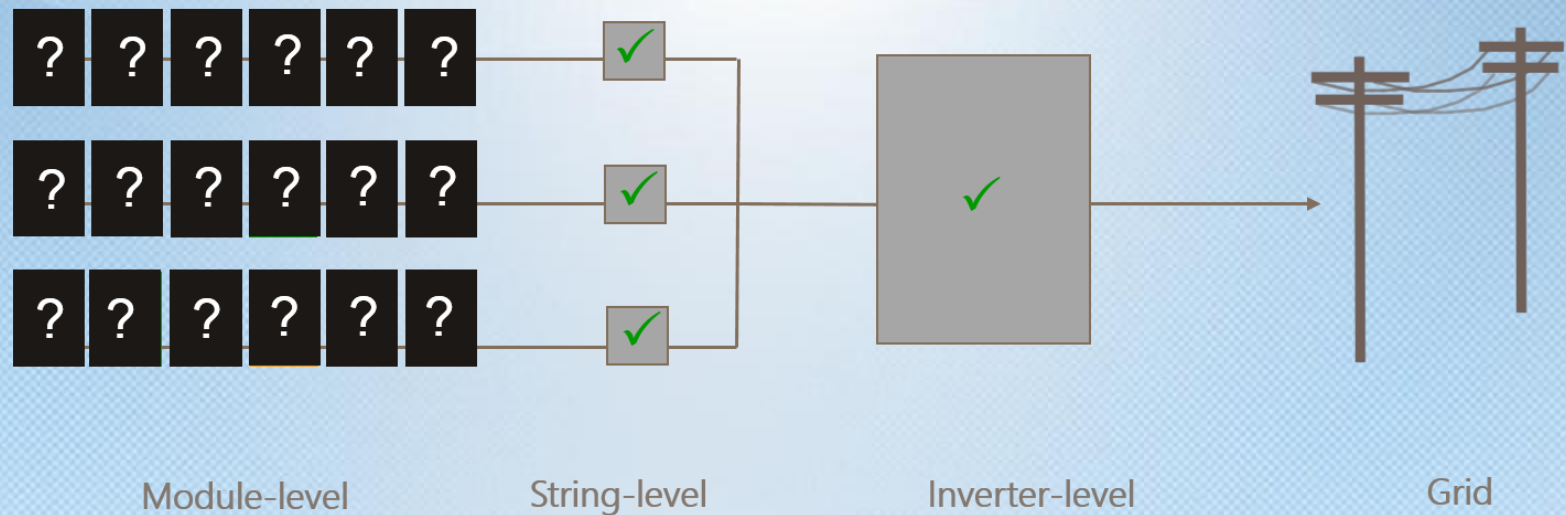
The perfect system?



Reality?



Reality?



Performance Ratio

Example: Comparison PR Germany - France

PR in Germany:

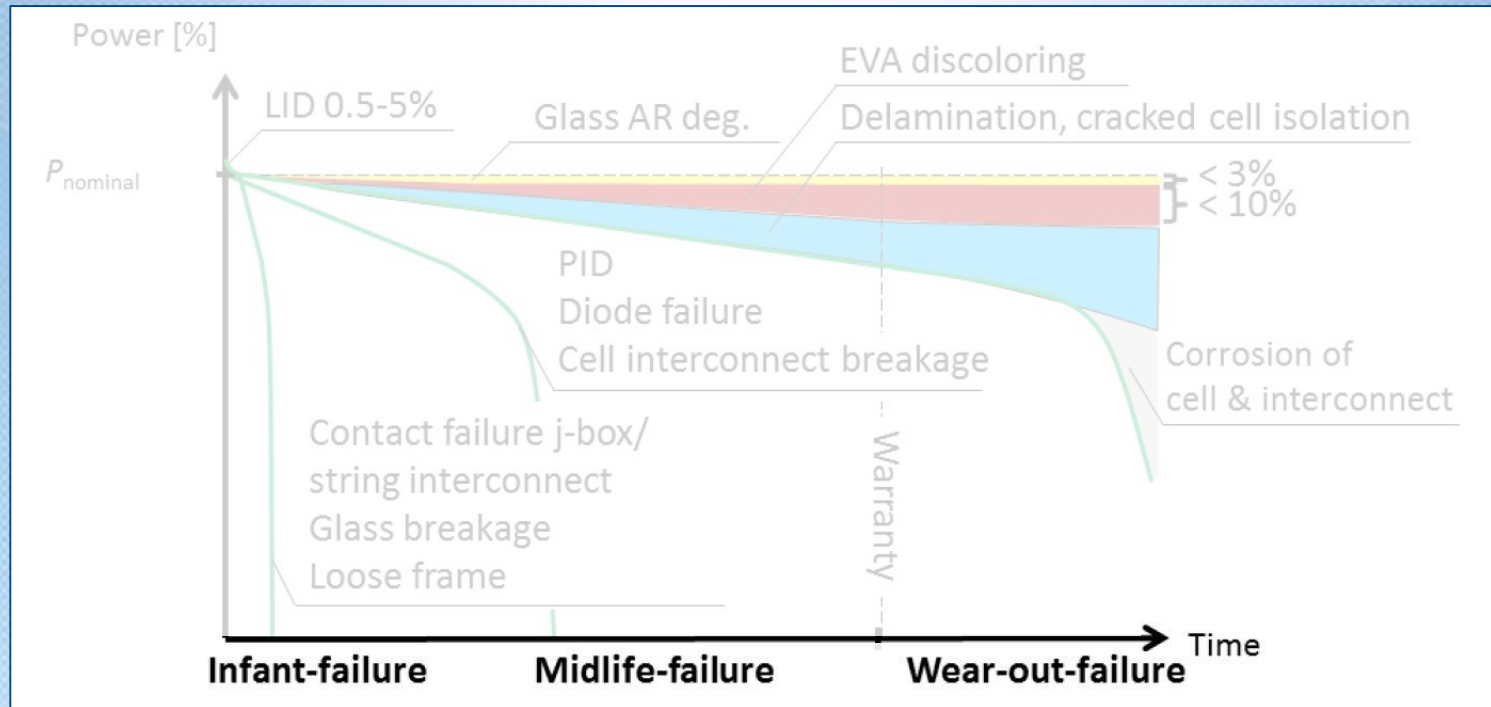
Ø **0.84**, range 0.70 – 0.90 → **6% increase possible?**

PR in France:

Ø **0.76**, range 0.52 – 0.96 → **20% increase possible?**

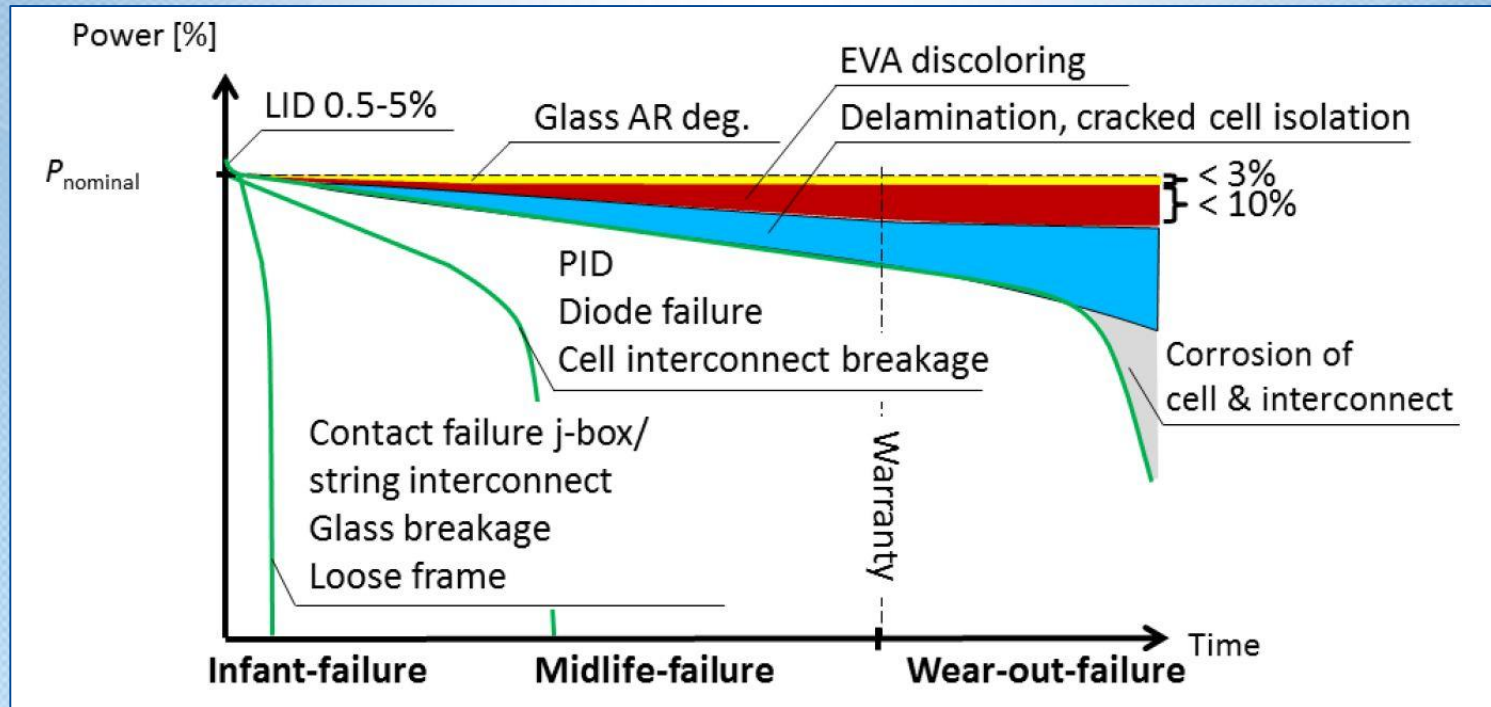
Source: A. Woyte, et al., Monitoring of Photovoltaic Systems: Good Practices and Systematic Analysis, 2013.

Problems



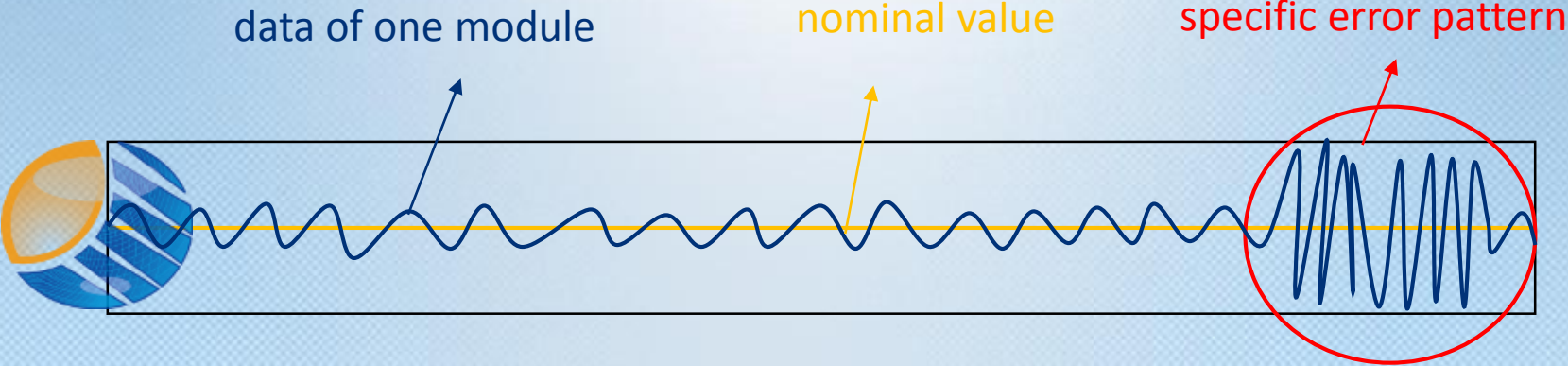
Source: IEA-PVPS Task 13, Review of Failures of Photovoltaic Modules, Final, 2014, Seite 4;
<http://iea-pvps.org/index.php?id=275>

Problems



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Solution: Electric Fingerprints





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Thank you very much for your attention!

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