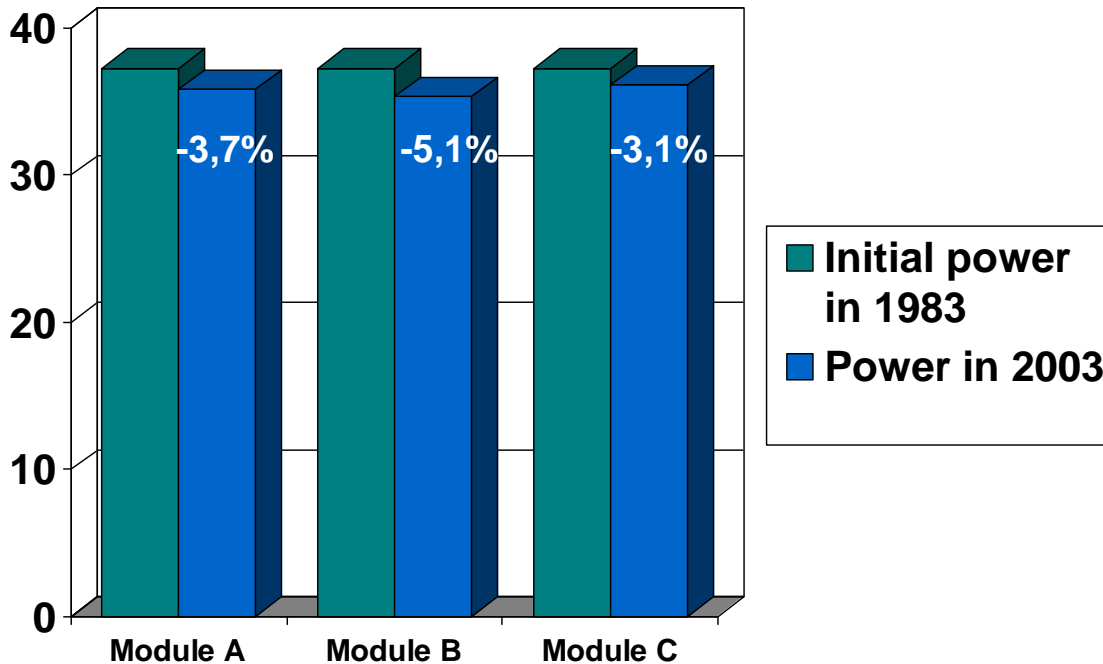


> 20 Years experience in practice

- Solar electricity modules: PQ 10/40/01
- Performance: 2.3 kWp
- Year of installation: 1984
- Stable performance proven by measured data



Example: PV-system at FHG ISE, Freiburg

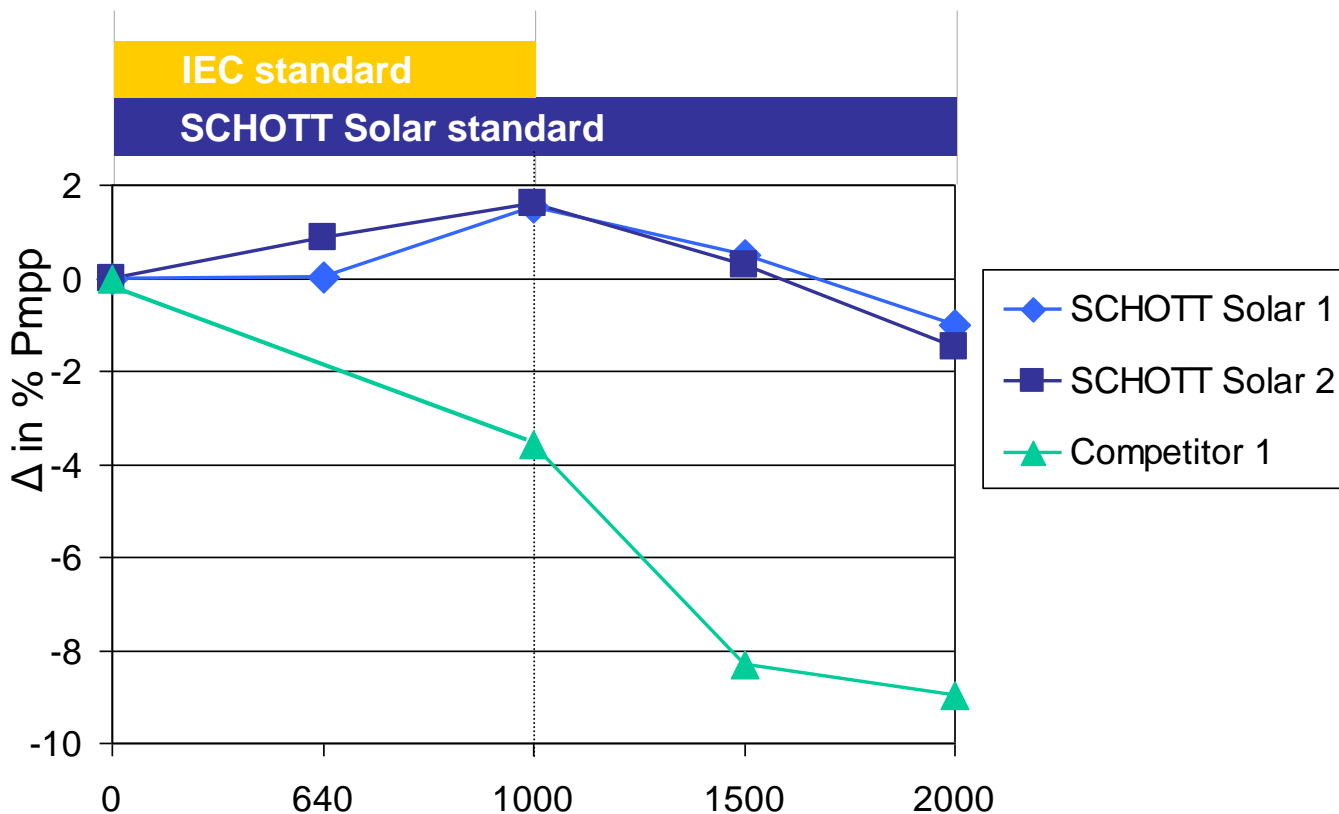
IEC testing criteria not enough for SCHOTT Solar

- Quality checks on every production step: wafer, cell and module
- Drastic tightening of IEC 61215 testing criteria
- Additional to IEC standard: combination test



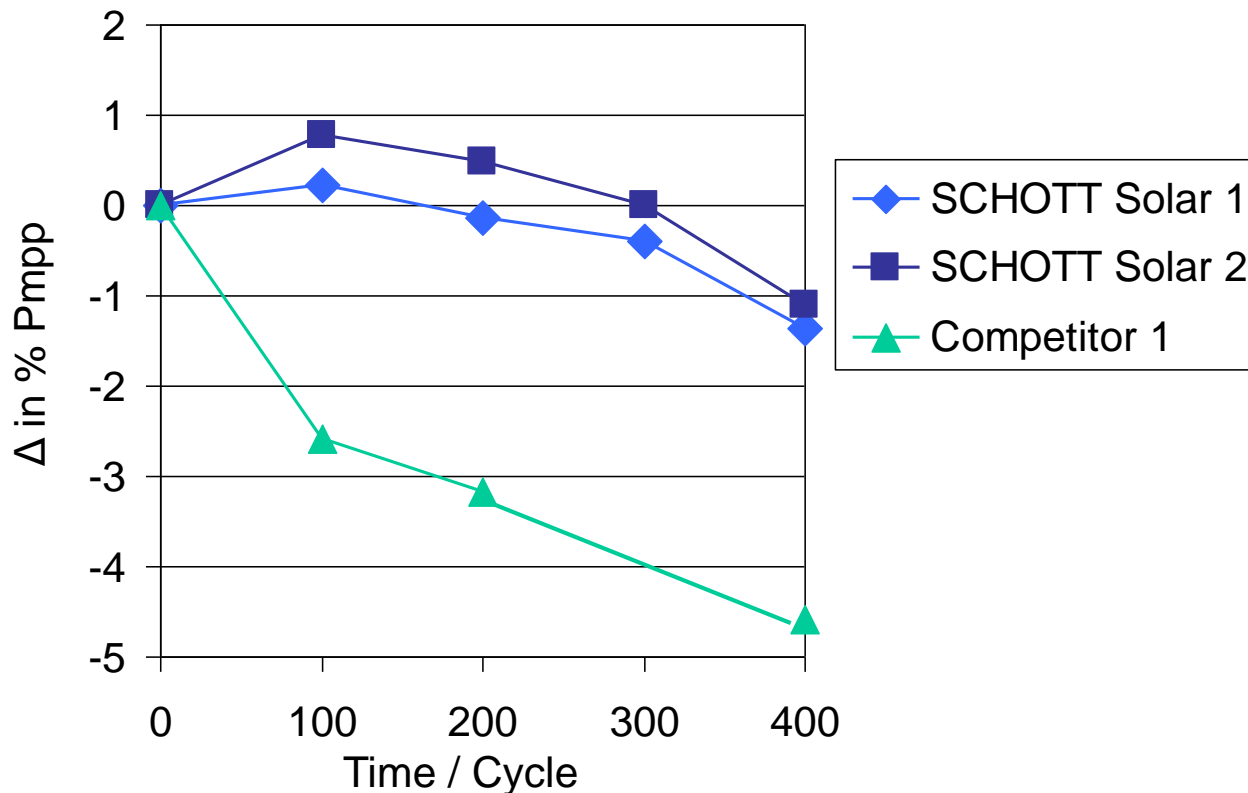
Damp Heat Test

- 85 °C; 85 % relative air humidity
- 2000 h (doubled IEC 61215 standard)
- Duration: ~ 15 weeks (including interim audits)
- Internal quality standard: powerdrop must be < 5 % Pmpp



Thermal Cycle Test

- Between -40 °C and 90 °C (according to UL, IED 85 °C)
- 400 cycles (doubled IEC 61215 standard)
- Duration: ~ 24 weeks (including interim audits)
- Internal quality standard: powerdrop must be < 5 % Pmpp

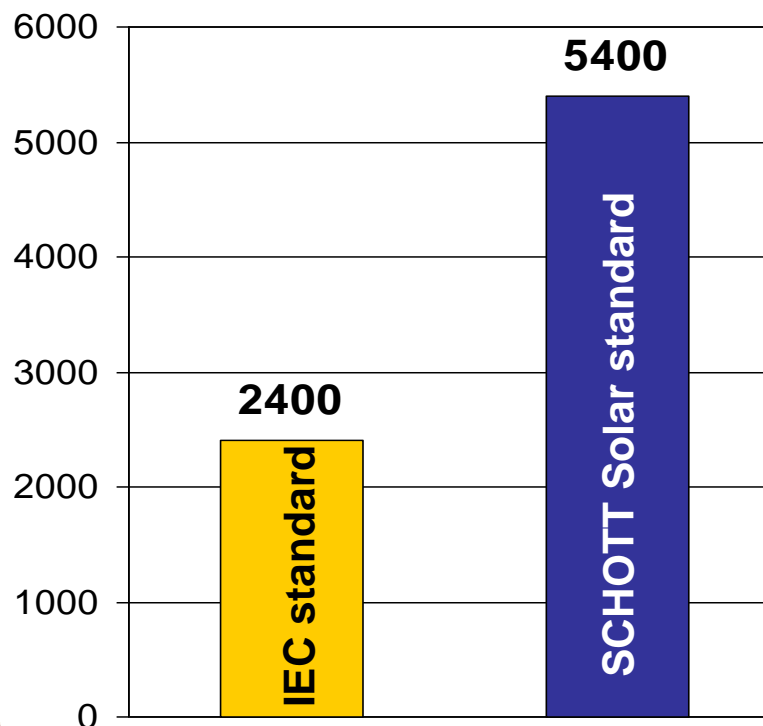


5400 Pascal load test

- Each ASE-module: Mechanical load test 5.400 Pascal (Pa) = 550 kg / m²
- Safety of investment, even at locations with high wind or snow load



SCHOTT Solar ASE Modules, load bearing capacity
5400 Pa*
(certified IEC 61215)
* This is equivalent to a load per surface of
550 kg/m²



SCHOTT
solar

* ASE-260-DG-FT loaded with 1 ton;
Alzenau, in autumn 2006